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William A. Bonnet
Vice President
Government & Community Affairs

May 25, 2006

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2006 MAY 25 P 3: 52

PUBLIC UTILITIES
COMMISSION

The Honorable Chairman and Members of
the Hawaii Public Utilities Commission
465 South King Street
Kekuanaoa Building, 1st Floor
Honolulu, Hawaii 96813

Dear Commissioners:

Subject: Docket No. 05-0069 – Energy Efficiency Docket

In accordance with Interim Decision and Order No. 22420, dated April 26, 2006, in the subject docket, attached are Hawaiian Electric Company, Inc.'s ("HECO") Commercial and Industrial ("C&I") and Residential Demand-Side Management ("DSM") Cost Recovery Adjustments which are proposed to be effective on May 26, 2006. HECO will stop recovering (i.e., stop accruing) lost margins and shareholder incentives for its existing demand-side management ("DSM") programs as of May 26, 2006.

Lost margins and shareholder incentives are estimated and recorded in the year earned, and collected over the current and subsequent year (lost margins) or in the following year (shareholder incentives). Thus, there is a timing difference between when HECO recognizes lost margin and shareholder incentive revenue earned (accrued) and the actual collection of the revenue through the DSM surcharge. For example, HECO is collecting through its DSM surcharge effective April 1, 2006 (through March 31, 2007), shareholder incentives and associated revenue taxes earned in a previous period (e.g., in 2005). Those shareholder incentives have been recognized (accrued) for financial purposes in 2005.

Similarly, HECO has been and continues to recognize for financial reporting purposes lost margins and shareholder incentives earned since January 1, 2006 (through May 25, 2006), even though the collection of estimated 2006 lost margins through the DSM Surcharge commenced on April 1, 2006 (and the surcharge would continue through March 31, 2007). Shareholder incentives for 2006 DSM installations are not included in the current DSM surcharge (i.e., the surcharge that became effective April 1, 2006) as shareholder incentives are collected during the following period on an ex-post basis.

In the DSM surcharge that was effective April 1, 2006, HECO is currently recovering: 1) a reconciliation between actual 2005 program costs and lost margins and the amounts collected for them (amounts collected were based on estimated 2005 program costs and estimated 2005

lost margins in the DSM surcharge effective June 1, 2005), including interest and associated revenue taxes, 2) estimated 2006 program costs and associated revenue taxes, 3) estimated 2006 lost margins, and 4) 2005 shareholder incentives and associated revenue taxes earned in a previous period (i.e., in 2005). HECO will cease the accrual of lost margins and shareholder incentives effective May 26, 2006, in compliance with the Commission's order to discontinue the recovery of lost margins and shareholder incentives within 30 days of the issue date of Interim Decision and Order No. 22420.

Effective May 26, 2006, HECO intends to modify the DSM Surcharge that was effective April 1, 2006 by 1) substituting 2006 lost margins accrued through May 25, 2006 for the estimated 2006 lost margins for the entire year, and 2) adding 2006 shareholder incentives accrued through May 25, 2006, in the proposed amounts to be collected via the DSM surcharge through March 31, 2007.

In its 2007 Annual Program Accomplishments and Surcharge Report, HECO will reconcile the amounts collected for 2006 program costs, 2006 lost margins, 2005 shareholder incentives, and 2006 shareholder incentives through March 31, 2007 against actual 2006 program costs, the previously reported 2005 shareholder incentives, and the amounts accrued for 2006 lost margins and 2006 shareholder incentives through May 25, 2006. Any over-collection or under-collection will be credited or charged to ratepayers in the 2007 DSM surcharge.

In support of the above proposed Residential and C&I DSM Cost Recovery Adjustments, attached are:

- Exhibit 1 Proposed Tariff Sheets for the Residential DSM and C&I DSM Cost Recovery Adjustments Effective May 26, 2006.
- Exhibit 2 Tariff Sheets Currently in Effect.
- Exhibit 3 Summary Worksheet Showing the Determination of the Residential DSM Cost Recovery Adjustment Effective May 26, 2006.
- Exhibit 4 Summary Worksheet Showing the Determination of the C&I DSM Cost Recovery Adjustment Effective May 26, 2006.
- Exhibit 5 Determination of 2006 Lost Margins through May 25, 2006 for Residential Programs and for C&I Programs.
- Exhibit 6 Determination of the 2006 Shareholder Incentives through May 25, 2006 for Residential and C&I Programs.
- Exhibit 7 Estimated Residential Bill Impact of the Residential DSM Adjustment Effective May 26, 2006.
- Exhibit 8 DSMIS Report ESD515-01 dated 05/18/06 used for Lost Margins from Installations Approved in 2006.



Hawaii Public Utilities Commission
May 25, 2006
Page 3

Exhibit 9 DSMIS Report ESD525-01 dated 05/18/06 used for 2006 Shareholder Incentives Calculation.
Exhibit 10 Summary of Data Inputs in Lost Margins & Shareholder Incentives Calculation.

Sincerely,



Attachments

cc: Division of Consumer Advocacy

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**HAWAIIAN ELECTRIC COMPANY, INC.
DSM COST RECOVERY FOR 5/26/06**

EXHIBIT NO.	TITLE	NO. OF PAGES
Exhibit 1	New Tariffs	3
Exhibit 2	Superseded Tariffs	3
Exhibit 3	Determination of Residential DSM Cost Recovery Surcharge	2
Exhibit 4	Determination of C&I DSM Cost Recovery Surcharge	2
Exhibit 5	2006 Lost Margin- Residential and C&I Programs	12
Exhibit 6	2006 Shareholder Incentives - Residential and C&I Programs	9
Exhibit 7	Residential Typical Bill	1
Exhibit 8	DSMIS Report ESD515-01 dated 05/18/06 used for Lost Margin from installations approved in 2006	6
Exhibit 9	DSMIS Report ESD525-01 dated 05/18/06 used for 2006 Shareholder Incentives	15
Exhibit 10	Summary of Data Inputs in Lost Margin & Shareholder Incentives Calculation	2

Superseding Revised Sheet No. 50B
Effective April 1, 2006

REVISED SHEET NO. 50B
Effective May 26, 2006

RATE SCHEDULES (continued)

<u>Sheet</u>	<u>Schedule</u>	<u>Date Effective</u>	<u>Character of Service</u>
68	IRP Cost Recovery Provision	May 26, 2006	All Schedules Except Schedule Q
68A	IRP Cost Recovery Provision	May 26, 2006	All Schedules Except Schedule Q
(PAGES 69 - 80 NOT ASSIGNED)			
81	"Q"	January 1, 1996	Purchases From Qualifying Facilities -100 kW or Less
81A	"Q"	January 1, 1996	Purchases From Qualifying Facilities -100 kW or Less
82	Green Pricing Program Provision	January 1, 1999	Green Pricing
82A	Green Pricing Program Provision	January 1, 1999	Green Pricing
83	Rider EV-R	July 6, 1998	Residential Electric Vehicle Charging Service
83A	Rider EV-R	July 6, 1998	Residential Electric Vehicle Charging Service

HAWAIIAN ELECTRIC COMPANY, INC.

Transmittal Letter dated May 25, 2006.

Superseding Revised Sheet No. 68
Effective April 1, 2006

REVISED SHEET NO. 68
Effective May 26, 2006

INTEGRATED RESOURCE PLANNING
COST RECOVERY PROVISION

Supplement To

Schedule R - Residential Service
Schedule E - Electric Service For Employees
Schedule G - General Service Non-Demand
Schedule J - General Service Demand
Schedule H - Commercial Cooking, Heating, Air
Conditioning, and Refrigeration Service
Schedule PS - Large Power Secondary Voltage Service
Schedule PP - Large Power Primary Voltage Service
Schedule PT - Large Power Transmission Voltage Service
Schedule F - Public Street Lighting, Highway Lighting
and Park and Playground Floodlighting
Schedule U - Time of Use Service

All terms and provisions of Schedules R, E, G, J, H, PS, PP, PT, F, and U, are applicable except that the total base rate charges for each billing period shall be increased by the following Integrated Resource Planning (IRP) Cost Recovery Adjustment, Residential Demand-Side Management (DSM) Adjustment, and Commercial and Industrial Demand-Side Management (DSM) Adjustment:

A: INTEGRATED RESOURCE PLANNING COST RECOVERY ADJUSTMENT:

All Rate Schedules0.000 percent

The total base rate charges for all rate schedules shall be increased by the above Integrated Resource Planning Cost Recovery Adjustment, which is based on the recovery of the _____ IRP Planning Costs and the reconciliation of _____ IRP Planning Costs, including interest and taxes, of \$_____, as approved by the Public Utilities Commission.

The total base rate charges for the current billing period shall include all base rate schedule charges, discounts, surcharges, or base rate adjustments, excluding the Energy Cost Adjustment, Residential DSM Adjustment, and Commercial and Industrial DSM Adjustment and temporary Rate Adjustment.

B: Residential Demand-Side Management (DSM) Adjustment:

Schedule R - per kwh0.3578 ¢/kWh

The total residential monthly bill shall include the above Residential DSM adjustment applied to all kWh per month. The above Residential DSM adjustment is based on recovering \$7,946,973 for the 2006 residential program cost and revenue taxes, lost revenue margins through May 25, 2006, shareholder incentives through May 25, 2006 and revenue taxes, and the reconciliation of the 2005 program cost recovery including reconciled lost revenue margins and revenue taxes, for which recovery has been approved by the Public Utilities Commission.

HAWAIIAN ELECTRIC COMPANY, INC.

Transmittal Letter dated May 25, 2006.

Superseding Revised Sheet No. 68A
Effective April 1, 2006

REVISED SHEET NO. 68A
Effective May 26, 2006

Integrated Resource Planning Cost Recovery Provision - Continued

C: Commercial and Industrial Demand-Side Management (DSM) Adjustment:

Schedules G, J, H, PS, PP, PT, U - per kWh0.2044 ¢/kWh

The total monthly bill for Schedules G, J, H, PS, PP, PT, and U customers shall include the above Commercial and Industrial DSM adjustment applied to all kWh per month. The above adjustment is based on recovering \$11,826,246 for the 2006 C&I program costs and revenue taxes, lost revenue margins through May 25, 2006, shareholder incentives through May 25, 2006 and revenue taxes, and the reconciliation of the 2005 program cost recovery including reconciled lost revenue margins and revenue taxes, for which recovery has been approved by the Public Utilities Commission.

RECONCILIATION ADJUSTMENT: (To be added to Integrated Resource Planning Cost Recovery Adjustment, Residential DSM Adjustment, and Commercial and Industrial DSM Adjustment):

In order to reconcile any differences that may occur between the above costs to be recovered and the revenues received from the above adjustments, recorded revenues will be compared with the above costs. The Integrated Resource Planning Cost Recovery Adjustment, Residential DSM Adjustment, and the Commercial and Industrial DSM Adjustment will be reconciled annually. If there is a variance between the recorded revenues from the adjustments and the costs to be recovered, a reconciliation adjustment, lagged by two months, will be made to the above adjustments.

HAWAIIAN ELECTRIC COMPANY, INC.

Transmittal Letter dated May 25, 2006.

Superseding Revised Sheet No. 50B
Effective September 28, 2005

REVISED SHEET NO. 50B
Effective April 1, 2006

RATE SCHEDULES (continued)

<u>Sheet</u>	<u>Schedule</u>	<u>Date Effective</u>	<u>Character of Service</u>
68	IRP Cost Recovery Provision	April 1, 2006	All Schedules Except Schedule Q
68A	IRP Cost Recovery Provision	April 1, 2006	All Schedules Except Schedule Q
(PAGES 69 - 80 NOT ASSIGNED)			
81	"Q"	January 1, 1996	Purchases From Qualifying Facilities -100 kW or Less
81A	"Q"	January 1, 1996	Purchases From Qualifying Facilities -100 kW or Less
82	Green Pricing Program Provision	January 1, 1999	Green Pricing
82A	Green Pricing Program Provision	January 1, 1999	Green Pricing
83	Rider EV-R	July 6, 1998	Residential Electric Vehicle Charging Service
83A	Rider EV-R	July 6, 1998	Residential Electric Vehicle Charging Service

HAWAIIAN ELECTRIC COMPANY, INC.

Transmittal Letter dated March 31, 2006.

Superseding Revised Sheet No. 68
Effective September 28, 2005

REVISED SHEET NO. 68
Effective April 1, 2006

INTEGRATED RESOURCE PLANNING
COST RECOVERY PROVISION

Supplement To

Schedule R - Residential Service
Schedule TOU-R - Residential Time-of-Use Pilot Program
Schedule E - Electric Service For Employees
Schedule G - General Service Non-Demand
Schedule J - General Service Demand
Schedule H - Commercial Cooking, Heating, Air
Conditioning, and Refrigeration Service
Schedule PS - Large Power Secondary Voltage Service
Schedule PP - Large Power Primary Voltage Service
Schedule PT - Large Power Transmission Voltage Service
Schedule F - Public Street Lighting, Highway Lighting
and Park and Playground Floodlighting
Schedule U - Time of Use Service

All terms and provisions of Schedules R, TOU-R, E, G, J, H, PS, PP, PT, F, and U, are applicable except that the total base rate charges for each billing period shall be increased by the following Integrated Resource Planning (IRP) Cost Recovery Adjustment, Residential Demand-Side Management (DSM) Adjustment, and Commercial and Industrial Demand-Side Management (DSM) Adjustment:

A: INTEGRATED RESOURCE PLANNING COST RECOVERY ADJUSTMENT:

All Rate Schedules0.000 percent

The total base rate charges for all rate schedules shall be increased by the above Integrated Resource Planning Cost Recovery Adjustment, which is based on the recovery of the _____ IRP Planning Costs and the reconciliation of _____ IRP Planning Costs, including interest and taxes, of \$ _____, as approved by the Public Utilities Commission.

The total base rate charges for the current billing period shall include all base rate schedule charges, discounts, surcharges, or base rate adjustments, excluding the Energy Cost Adjustment, Residential DSM Adjustment, and Commercial and Industrial DSM Adjustment and temporary Rate Adjustment.

B: Residential Demand-Side Management (DSM) Adjustment:

Schedule R - per kwh0.3629 ¢/kWh

The total residential monthly bill shall include the above Residential DSM adjustment applied to all kWh per month. The above Residential DSM adjustment is based on recovering \$8,060,364 for the 2006 residential program cost, lost revenue margins and revenue taxes and the reconciliation of the 2005 program cost recovery including reconciled lost revenue margins and revenue taxes, for which recovery has been approved by the Public Utilities Commission.

HAWAIIAN ELECTRIC COMPANY, INC.

Transmittal Letter dated March 31, 2006.

Superseding Revised Sheet No. 68A
Effective September 28, 2005

REVISED SHEET NO. 68A
Effective April 1, 2006

Integrated Resource Planning Cost Recovery Provision - Continued

C: Commercial and Industrial Demand-Side Management (DSM) Adjustment:

Schedules G, J, H, PS, PP, PT, U - per kWh0.1985¢/kWh

The total monthly bill for Schedules G, J, H, PS, PP, PT, and U customers shall include the above Commercial and Industrial DSM adjustment applied to all kWh per month. The above adjustment is based on recovering \$11,486,092 for the 2006 C&I program costs, lost revenue margins and revenue taxes, and the reconciliation of the 2005 program cost recovery including reconciled lost revenue margins and revenue taxes, for which recovery has been approved by the Public Utilities Commission.

RECONCILIATION ADJUSTMENT: (To be added to Integrated Resource Planning Cost Recovery Adjustment, Residential DSM Adjustment, and Commercial and Industrial DSM Adjustment):

In order to reconcile any differences that may occur between the above costs to be recovered and the revenues received from the above adjustments, recorded revenues will be compared with the above costs. The Integrated Resource Planning Cost Recovery Adjustment, Residential DSM Adjustment, and the Commercial and Industrial DSM Adjustment will be reconciled annually. If there is a variance between the recorded revenues from the adjustments and the costs to be recovered, a reconciliation adjustment, lagged by two months, will be made to the above adjustments.

HAWAIIAN ELECTRIC COMPANY, INC.

Transmittal Letter dated March 31, 2006.

HAWAIIAN ELECTRIC COMPANY, INC.
DETERMINATION OF RESIDENTIAL DSM COST RECOVERY SURCHARGE
Effective May 26, 2006 - March 31, 2007

<u>LINE NO.</u>		
L1	Total Residential Program Costs, 2001 ¹	\$4,210,253
L2	Total 2000 Overcollection to Refund in 2001	(\$1,585,149)
L3	Total Revenues from Residential DSM Surcharge, 2001	\$2,934,874
L4 = (L1 + L2) - L3	Total Overcollection, 2001	(\$309,770)
L5 = L4	Total 2001 Overcollection to Refund in 2002	(\$309,770)
L6=(L5-L4)	Remaining 2001 Cost to Refund	\$0
L7	Total Residential Program Costs, 2002 ¹	\$4,153,288
L8 = L5	Total 2001 Overcollection to Refund in 2002	(\$309,770)
L9	Total Revenues from Residential DSM Surcharge, 2002	\$3,416,603
L10 = (L7 + L8) - L9	Total Undercollection, 2002	\$426,915
L11 = L10	Total 2002 Undercollection to Recover in 2003	\$426,915
L12=(L11-L10)	Remaining 2002 Cost to Recover	\$0
L13	Total Residential Program Costs, 2003 ¹	\$5,159,286
L14=L11	Total 2002 Undercollection to Recover in 2003	\$426,915
L15	Total Revenues from Residential DSM Surcharge, 2003	\$4,491,152
L16=(L13+L14)-L15	Total Undercollection, 2003	\$1,095,049
L17=L16	Total 2003 Undercollection to Recover in 2004	\$1,095,049
L18=(L17-L16)	Remaining 2003 Cost to Recover	\$0
L19	Total Residential Program Costs, 2004 ¹	\$5,231,828
L20=L17	Total 2003 Undercollection to Recover in 2004	\$1,095,049
L21	Total Revenues from Residential DSM Surcharge, 2004	\$5,537,102
L22=(L19+L20)-L21	Total Undercollection, 2004	\$789,775
L23=L22	Remaining 2004 Undercollection to Recover in 2005	\$789,775
L24=(23-L22)	Remaining 2004 Cost to Recover	\$0
L25	Total Residential Program Costs, 2005 ¹	\$6,696,232
L26=L23	Total 2004 Undercollection to Recover in 2005	\$789,775
L27	Total Revenues from Residential DSM Surcharge, Jan 05 - Mar 06	\$7,151,205
L28=(L25+L26)-L27	Total Undercollection, 2005	\$334,802
L29=L28	Remaining 2005 Undercollection to Recover in 2006	\$334,802
L30	Total Residential Program Costs, 2006 ¹	\$7,612,171
L31 = (L29 + L30)	Total 2005-2006 Cost To Recover	\$7,946,973
L32	Sales Forecast (kWh), April 1, 2006 - March 31, 2007	2,220,800,000
L33 = (L31 + L32) x 100	Residential DSM Surcharge, Effective May 26, 2006 - March 31, 2007, ¢/kWh	0.3578

¹ For purposes of this Exhibit, "Total Residential Program Costs" is an all-encompassing term that includes incremental program costs, lost margin, shareholder incentives, interest, and revenue tax.

References:

L1-L29, L32: See HECO's DSM Cost Recovery for 2006 filed March 31, 2006, Exhibit 3, page 1.

L30: See Exhibit 3, page 2.

HAWAIIAN ELECTRIC COMPANY, INC.
DETERMINATION OF RESIDENTIAL DSM COST RECOVERY SURCHARGE
Effective May 26, 2006 - March 31, 2007

Line No.		
L1	Residential DSM Overcollection, 2001	(\$179,872)
L2	Interest Accrual for 2001	(\$118,358)
L3	Recorded Residential Program Shareholder Incentives, 2001	\$0
L4	Recorded Residential Program Cost, 2002	\$2,065,281
L5	Recorded Residential Lost Margin, 2002	\$1,865,995
L6=(L2+L3+L4) x 9.75%	Revenue Tax on 2002 Program Costs, 2001 Shareholder Incentives & 2001 Interest	\$189,825
L7 = Σ(L1:L6)	Total 2001-2002 Costs To Be Recovered	\$3,822,871
L8	Revenues From Residential DSM Surcharge, 2002	\$3,416,603
L9=L7-L8	Residential DSM Undercollection, 2002	\$406,268
L10	Interest Accrual for 2002	\$18,813
L11	Recorded Residential Program Shareholder Incentives, 2002	\$0
L12	Recorded Residential Program Cost, 2003	\$2,730,430
L13	Recorded Residential Lost Margin, 2003	\$2,090,762
L14=(L10+L11+L12) x 9.75%	Revenue Tax on 2003 Program Costs, 2002 Shareholder Incentives & 2002 Interest	\$268,051
L15 = Σ(L9:L14)	Total 2002-2003 Costs To Be Recovered	\$5,514,324
L16	Revenues From Residential DSM Surcharge, 2003	\$4,491,152
L17=L15-L16	Residential DSM Undercollection, 2003	\$1,023,172
L18	Interest Accrual for 2003	\$65,492
L19	Recorded Residential Program Shareholder Incentives, 2003	\$0
L20	Recorded Residential Program Cost, 2004	\$2,576,312
L21	Recorded RDLC Program Cost, 2004	\$0
L22	Recorded Residential Lost Margin, 2004	\$2,314,248
L23 = Σ(L18:L21) x 9.75%	Revenue Tax on 2004 Program Costs, 2003 Shareholder Incentives & 2003/04 Interest	\$257,576
L24 = Σ(L17:L23)	Total 2003-2004 Costs To Be Recovered	\$6,236,800
L25	Revenues From Residential DSM Surcharge, 2004	\$5,537,102
L26 = L24-L25	Residential DSM Undercollection, 2004	\$699,698
L27	Interest Accrual for 2004	\$80,764
L28	Recorded Residential Program Shareholder Incentives, 2004	\$1,311
L29	Recorded Residential Program Cost, 2005	\$2,753,194
L30	Recorded RDLC Program Cost, 2005	\$1,620,285
L31	Recorded Residential Lost Margin, 2005	\$1,850,110
L32 = Σ(L27:L30) x 9.75%	Revenue Tax on 2005 Program Costs, 2004 Shareholder Incentives & 2004 Interest	\$434,417
L33 = Σ(L26:L32)	Total 2004-2005 Costs To Be Recovered	\$7,439,779
L34	Revenues From Residential DSM Surcharge, Jan 05 - Mar 06	\$7,151,205
L35 = L33-L34	Residential DSM Undercollection, 2005	\$288,574
L36	Interest Accrual for Jan 05 - Mar 06	\$13,983
L37	Recorded Residential Program Shareholder Incentives, 2005	\$28,139
L38	Estimated Residential Program Cost, 2006	\$3,734,941
L39	Estimated RDLC Program Cost, 2006	\$3,120,133
L40	Estimated Residential Lost Margin, 2006 through May 25, 2006	\$80,324
L41	Estimated Residential Program Shareholder Incentives, Jan 1 - May 25, 2006	\$7,656
L42 = Σ(L36:L39, L41) x 9.75%	Revenue Tax on 2006 Program Costs, 2005 & 2006 Shareholder Incentives & 2005/06 Interest	\$673,223
L43 = Σ(L38:L42)	Total Cost Including Revenue Tax, 2006	\$7,616,277
L44 = Σ(L35:L37)+ L43	Total 2005 - 2006 Costs To Be Recovered	\$7,946,973

References

L1:L39: See HECO's DSM Cost Recovery for 2006 filed March 31, 2006, Exhibit 3, page 2.

L40: See Exhibit 5, page 1.

L41: See Exhibit 6, page 1.

HAWAIIAN ELECTRIC COMPANY, INC.
DETERMINATION OF COMMERCIAL & INDUSTRIAL DSM COST RECOVERY SURCHARGE
Effective May 26, 2006 - March 31, 2007

LINE NO.		
L1	Total C&I Program Costs, 2000 ¹	\$10,000,057
L2	Total 1999 Undercollection to Recover in 2000	\$3,561,396
L3	Total Revenues from C&I DSM Surcharge, 2000	\$10,354,027
L4 = (L1 + L2) - L3	Total Undercollection, 2000	\$3,207,426
L5 = L4	Total 2000 Undercollection to Recover in 2001	\$3,207,426
L6 = (L5 - L4)	Remaining 2000 Cost To Recover	\$0
L7	Total C&I Program Costs, 2001 ¹	\$11,699,913
L8 = L5	Total 2000 Undercollection to Recover in 2001	\$3,207,426
L9	Total Revenues from C&I DSM Surcharge, 2001	\$8,891,648
L10 = (L7 + L8) - L9	Total Undercollection, 2001	\$6,015,691
L11 = L10	Total 2001 Undercollection to Recover in 2002	\$6,015,691
L12 = (L11 - L10)	Remaining 2001 Cost To Recover	\$0
L13	Total C&I Program Costs, 2002 ¹	\$11,732,812
L14 = L11	Total 2001 Undercollection to Recover in 2002	\$6,015,691
L15	Total Revenues from C&I DSM Surcharge, 2002	\$11,399,871
L16 = (L13 + L14) - L15	Total Undercollection, 2002	\$6,348,632
L17 = L16	Total 2002 Undercollection	\$6,348,632
L18 = (L17 - L16)	Remaining 2002 Cost to Recover	\$0
L19	Total C&I Program Costs, 2003 ¹	\$13,294,464
L20 = L17	Total 2002 Undercollection to Recover in 2003	\$6,348,632
L21	Total Revenues from C&I DSM Surcharge, 2003	\$12,513,174
L22 = (L19 + L20) - L21	Total Undercollection, 2003	\$7,129,922
L23 = L22	Remaining 2003 Undercollection to Recover in 2004	\$7,129,922
L24 = (L23 - L22)	Remaining 2003 Cost to Recover	\$0
L25	Total C&I Program Costs, 2004 ¹	\$15,090,003
L26 = L23	Total 2003 Undercollection to Recover in 2004	\$7,129,922
L27	Total Revenues from C&I DSM Surcharge, Jan. 2004 - May 2005	\$13,027,898
L28 = (L25 + L26) - L27	Total Undercollection, 2004	\$9,192,027
L29 = L28	Remaining 2004 Undercollection to Recover in 2005	\$9,192,027
L30 = L29 - L28	Remaining 2004 Cost To Recover	\$0
L31	Total C&I Program Costs, 2005 ¹	\$14,692,012
L32 = L29	Total 2004 Undercollection to Recover in 2005	\$9,192,027
L33	Total Revenues from C&I DSM Surcharge, Jan 05 - Mar 06	\$18,655,538
L34 = (L31 + L32) - L33	Total Undercollection, 2005	\$5,228,501
L35 = L34	Remaining 2005 Undercollection to Recover in 2006	\$5,228,501
L36	Total C&I Program Costs, 2006 ¹	\$6,597,745
L37 = (L35 + L36)	Total 2005-2006 Cost To Recover	\$11,826,246
L38	Sales Forecast (kWh), April 1, 2006 - March 31, 2007	5,787,100,000
L39 = (L37 + L38) x 100	C&I DSM Surcharge, Effective May 26, 2006 - March 31, 2007, ¢/kWh	0.2044

¹ For purposes of this Exhibit, "Total C&I Program Costs" is an all-encompassing term that includes incremental program costs, lost margin, shareholder incentives, interest, and revenue tax.

References:

L1-L35, L38: See HECO's DSM Cost Recovery for 2006 filed March 31, 2006, Exhibit 4, page 1.
L36: See Exhibit 4, page 2.

HAWAIIAN ELECTRIC COMPANY, INC.
DETERMINATION OF COMMERCIAL & INDUSTRIAL DSM COST RECOVERY SURCHARGE
Effective May 26, 2006 - March 31, 2007

Line No.		
L1	C&I DSM Undercollection, 2000	\$1,714,369
L2	Interest Accrual for 2000	\$90,236
L3	Recorded C&I Program Shareholder Incentives, 2000	\$1,270,181
L4	Recorded C&I Program Cost, 2001	\$3,420,027
L5	Recorded C&I Lost Margin, 2001	\$4,998,756
L6=(L2+L3+L4) x 9.75%	Revenue Tax on 2001 Program Costs, 2000 Shareholder Incentives & 2000 Interest	\$466,093
L7 = Σ(L1-L6)	Total 2000-2001 Costs To Be Recovered	\$11,959,662
L8	Revenues From C&I DSM Surcharge 2001	\$8,891,648
L9=L7-L8	C&I DSM Undercollection, 2001	\$3,068,014
L10	Interest Accrual for 2001	\$141,345
L11	Recorded C&I Program Shareholder Incentives, 2001	\$2,544,466
L12	Recorded C&I Program Cost, 2002	\$3,613,080
L13	Recorded C&I Lost Margin, 2002	\$6,196,647
L14=(L10+L11+L12) x 9.75%	Revenue Tax on 2002 Program Costs, 2001 Shareholder Incentives & 2001 Interest	\$614,142
L15 = Σ(L9-L14)	Total 2001-2002 Costs To Be Recovered	\$16,177,694
L16	Revenues From C&I DSM Surcharge, 2002	\$11,399,871
L17=L15-L16	C&I DSM Undercollection, 2002	\$4,777,823
L18	Interest Accrual for 2002	\$331,569
L19	Recorded C&I Program Shareholder Incentives, 2002	\$1,099,693
L20	Recorded C&I Program Cost, 2003	\$3,492,161
L21	Recorded C&I Lost Margin, 2003	\$7,339,742
L22=(L18+L19+L20) x 9.75%	Revenue Tax on 2003 Program Costs, 2002 Shareholder Incentives & 2002 Interest	\$480,034
L23 = Σ(L17-L22)	Total 2002-2003 Costs To Be Recovered	\$17,521,022
L24	Revenues From C&I DSM Surcharge, 2003	\$12,513,174
L25=L23-L24	C&I DSM Undercollection, 2003	\$5,007,848
L26	Interest Accrual for 2003	\$370,463
L27	Recorded C&I Program Shareholder Incentives, 2003	\$1,563,091
L28	Recorded C&I Program Cost, 2004	\$3,742,407
L29	Recorded CIDLC Program Cost, 2004	\$2,679
L30	Recorded C&I Lost Margin, 2004	\$8,402,013
L31 = Σ(L26-L29) x 9.75%	Revenue Tax on 2004 Program Costs, 2003 Shareholder Incentives & 2003 Interest	\$553,667
L32 = Σ(L25-L31)	Total 2003-2004 Costs To Be Recovered	\$19,642,168
L33	Revenues From C&I DSM Surcharge, 2004	\$13,027,898
L34 = L32-L33	C&I DSM Undercollection, 2004	\$6,614,270
L35	Interest Accrual for 2004	\$436,513
L36	Recorded C&I Program Shareholder Incentives, 2004	\$1,912,242
L37	Recorded C&I Program Cost, 2005	\$3,741,844
L38	Recorded CIDLC Program Cost, 2005	\$228,316
L39	Recorded C&I Lost Margin, 2005	\$6,926,913
L40 = Σ(L35-L38) x 9.75%	Revenue Tax on 2005 Program Costs, 2004 Shareholder Incentives & 2004 Interest	\$616,094
L41 = Σ(L34-L40)	Total 2004-2005 Costs To Be Recovered	\$20,476,192
L42	Revenues From C&I DSM Surcharge, Jan 2005 - Mar 2006	\$18,655,538
L43 = L41-L42	C&I DSM Undercollection, 2005	\$1,820,654
L44	Interest Accrual for Jan 2005 - Mar 2006	\$567,660
L45	Recorded C&I Program Shareholder Incentives, 2005	\$2,537,440
L46	Estimated C&I Program Costs, 2006	\$4,334,824
L47	Estimated CIDLC Program Costs, 2006	\$627,110
L48	Estimated C&I Lost Margin, 2006 through May 25, 2006	\$368,256
L49	Estimated C&I Program Shareholder Incentives, Jan 1 - May 25, 2006	\$714,138
L50 = Σ(L44-L47, L49) x 9.75%	Revenue Tax on 2006 Program Costs, 2005 & 2006 Shareholder Incentives & 2005/06 Interest	\$856,164
L51 = Σ(L46-L50)	Total Cost Including Revenue Tax, 2006	\$6,900,492
L52 = Σ(L43-L45)+ L51	Total 2005-2006 Costs To Be Recovered	\$11,826,246

References

L1-L47: See HECO's DSM Cost Recovery for 2006 filed March 31, 2006, Exhibit 4, page 2.
L48: See Exhibit 5, page 1.
L49: See Exhibit 6, page 1.

HAWAIIAN ELECTRIC COMPANY, INC.
2006 Lost Margin

RESIDENTIAL PROGRAMS LOST MARGIN

L1	Annualized 2006 Residential Lost Margin for pre-2006 Install Years, Jan. 1 - May 25	\$43,454
	2006 Lost Margin from January 1, 2006 - May 25, 2006, Residential Programs	
L2	REWH	\$26,392
L3	RNC	\$10,478
L4=L2+L3	Total Residential	\$36,870
L5=L1+L4	Total 2006 Residential Lost Margin	\$80,324

C&I PROGRAMS LOST MARGIN

L5	Annualized 2006 C&I Lost Margin for pre-2006 Install Years, Jan. 1 - May 25	\$217,635
	2006 Lost Margin from January 1, 2006 - May 25, 2006, C&I Programs	
L6	CIEE	\$38,523
L7	CINC	\$43,470
L8	CICR	\$66,593
L9	REWH-P	\$730
L10	RNC-P	\$1,305
L11=Sum(L6:L9)	Total C&I	\$150,621
L12=L5+L11	Total 2006 C&I Lost Margin	\$368,256

Reference:

L1, L5: Based on the Annualized 2006 Lost Margin for pre-2006 install years filed on March 31, 2006 multiplied by number of days from Jan 1 - May 25, 2006. See HECO's DSM Cost Recovery for 2006 filed March 31, 2006, Exhibit 19, page 1, Lines 25 and 28 for the annualized 2006 Lost Margin for pre-2006 install years.
Residential Annualized 2006 Lost Margin for pre-2006 Install Years = (\$109,383 x 145 days/365 days or \$43,454).
C&I Annualized 2006 Lost Margin for pre-2006 Install Years = (\$547,840 x 145 days/365 days or \$217,635).

L2, L9: See Exhibit 5, page 2.
L3, L10: See Exhibit 5, page 4.
L6: See Exhibit 5, page 6.
L7: See Exhibit 5, page 8.
L8: See Exhibit 5, page 10.

Hawaiian Electric Company, Inc.
Summary of 2006 Lost Margin for REWH Program ¹
From January 1, 2006 - May 25, 2006

	2006 Lost Energy Margin (\$) ^{2,4}								Total	Total
	Rate R	Rate E	Rate G	Rate J	Rate H	Rate PS ¹	Rate PP ¹	Rate PT ¹	(Excluding P)	Rate P ¹
Jan-06	\$3,456	\$1	\$11	\$0	\$0	\$0	\$24	\$43	\$3,468	\$67
Feb-06	\$4,909	\$8	\$23	\$0	\$0	\$0	\$26	\$52	\$4,940	\$78
Mar-06	\$6,094	\$17	\$24	\$0	\$0	\$0	\$30	\$64	\$6,135	\$94
Apr-06	\$6,513	\$17	\$24	\$0	\$0	\$0	\$31	\$64	\$6,554	\$95
May-06	\$5,262	\$14	\$19	\$0	\$0	\$0	\$25	\$52	\$5,295	\$77
Jun-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Jul-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Aug-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sep-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Oct-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nov-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Dec-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$26,234	\$57	\$101	\$0	\$0	\$0	\$136	\$275	\$26,392	\$411

	2006 Lost Demand Margin (\$) ^{3,4}								Total	Total
	Rate R	Rate E	Rate G	Rate J	Rate H	Rate PS ¹	Rate PP ¹	Rate PT ¹	(Excluding P)	Rate P ¹
Jan-06	\$0	\$0	\$0	\$0	\$0	\$0	\$18	\$34	\$0	\$52
Feb-06	\$0	\$0	\$0	\$0	\$0	\$0	\$20	\$41	\$0	\$61
Mar-06	\$0	\$0	\$0	\$0	\$0	\$0	\$23	\$50	\$0	\$73
Apr-06	\$0	\$0	\$0	\$0	\$0	\$0	\$24	\$50	\$0	\$74
May-06	\$0	\$0	\$0	\$0	\$0	\$0	\$19	\$40	\$0	\$59
Jun-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Jul-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Aug-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sep-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Oct-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nov-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Dec-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$104	\$215	\$0	\$319
Total Lost Margin	\$26,234	\$57	\$101	\$0	\$0	\$0	\$240	\$490	\$26,392	\$730

¹ The Lost Margin from Schedule P participants is recovered in the C&I DSM Cost Recovery Surcharge.

² Lost Energy Margin (\$) = [Lost Kwh @ Customer Level x Net Energy Rate] - [Lost Kwh @ System Level x Variable O&M]

³ Lost Demand Margin (\$) = Lost Kw @ Customer Level x Unit Lost Margin Demand

⁴ 2006 lost margin based on Installations Approved from January 1 - May 17, 2006. May is prorated based on the number of days from May 1 -May 25 or (25 days/ 31 days).

Reference:

See Exhibit 5, pages 3 and 12.

HAWAIIAN ELECTRIC COMPANY, INC.
Recorded KWH & KW Impact From Jan. 1, 2006 - May 17, 2006
Residential Water Heating - REWH ^{1,2}

	Rate R	Rate E	Rate G	Rate J	Rate H	Rate PS ¹	Rate PP ¹	Rate PT ¹	Total	Total Exclude P	Total Rate P
<u>Recorded 2006 Lost Kwh Sales @ System Generation Level Less Free Riders</u>											
Jan-06	46,101	11	154	-	-	-	810	1,696	48,772	46,266	2,506
Feb-06	65,498	165	308	-	-	-	876	2,101	68,948	65,971	2,977
Mar-06	81,300	330	319	-	-	-	985	2,550	85,484	81,949	3,535
Apr-06	86,893	341	330	-	-	-	1,018	2,550	91,132	87,564	3,568
May-06	87,058	341	330	-	-	-	1,018	2,550	91,297	87,729	3,568
Jun-06	-	-	-	-	-	-	-	-	-	-	-
Jul-06	-	-	-	-	-	-	-	-	-	-	-
Aug-06	-	-	-	-	-	-	-	-	-	-	-
Sep-06	-	-	-	-	-	-	-	-	-	-	-
Oct-06	-	-	-	-	-	-	-	-	-	-	-
Nov-06	-	-	-	-	-	-	-	-	-	-	-
Dec-06	-	-	-	-	-	-	-	-	-	-	-
Annualized	1,044,696	4,086	3,954	-	-	-	12,211	30,591	1,095,538	1,052,736	42,802
<u>Recorded 2006 Lost Kwh Sales @ Customer Level Less Free Riders</u>											
Jan-06	40,952	10	137	-	-	-	719	1,507	43,325	41,099	2,226
Feb-06	58,183	147	274	-	-	-	777	1,867	61,248	58,604	2,644
Mar-06	72,221	293	284	-	-	-	874	2,266	75,938	72,798	3,140
Apr-06	77,189	303	294	-	-	-	903	2,266	80,955	77,786	3,169
May-06	77,335	303	294	-	-	-	903	2,266	81,101	77,932	3,169
Jun-06	-	-	-	-	-	-	-	-	-	-	-
Jul-06	-	-	-	-	-	-	-	-	-	-	-
Aug-06	-	-	-	-	-	-	-	-	-	-	-
Sep-06	-	-	-	-	-	-	-	-	-	-	-
Oct-06	-	-	-	-	-	-	-	-	-	-	-
Nov-06	-	-	-	-	-	-	-	-	-	-	-
Dec-06	-	-	-	-	-	-	-	-	-	-	-
Annualized	928,017	3,631	3,514	-	-	-	10,847	27,177	973,186	935,162	38,024
<u>Recorded 2006 Lost Kw Sales @ Customer Level Less Free Riders</u>											
Jan-06	111.8	-	0.4	-	-	-	1.9	4.0	118.1	112.2	5.9
Feb-06	158.8	0.4	0.8	-	-	-	2.1	4.9	167.0	160.0	7.0
Mar-06	197.1	0.8	0.8	-	-	-	2.4	5.9	207.0	198.7	8.3
Apr-06	210.6	0.8	0.8	-	-	-	2.5	5.9	220.6	212.2	8.4
May-06	211.0	0.8	0.8	-	-	-	2.5	5.9	221.0	212.6	8.4
Jun-06	-	-	-	-	-	-	-	-	-	-	-
Jul-06	-	-	-	-	-	-	-	-	-	-	-
Aug-06	-	-	-	-	-	-	-	-	-	-	-
Sep-06	-	-	-	-	-	-	-	-	-	-	-
Oct-06	-	-	-	-	-	-	-	-	-	-	-
Nov-06	-	-	-	-	-	-	-	-	-	-	-
Dec-06	-	-	-	-	-	-	-	-	-	-	-
Annualized	211.0	0.8	0.8	-	-	-	2.5	5.9	221.0	212.6	8.4

¹ Lost Margin from Schedule P Participants is recovered in the C&I Cost Recovery Surcharge.

2006 Installations: Net 27.1% (kwh) and 26.9% (kw) Free Riders.

² Annualized impacts represent the annual totals from Jan 1, 06 - May 17, 06.

Reference:

See Exhibit 8.

Hawaiian Electric Company, Inc.
Summary of 2006 Lost Margin for RNC Program ¹
From January 1, 2006 - May 25, 2006

	2006 Lost Energy Margin (\$) ^{2,4}							Total	Total
	Rate R	Rate E	Rate G	Rate J	Rate PS ¹	Rate PP ¹	Rate PT ¹	(Excluding P)	Rate P ¹
Jan-06	\$911	\$0	\$142	\$249	\$0	\$21	\$0	\$1,302	\$21
Feb-06	\$1,375	\$0	\$194	\$305	\$0	\$21	\$0	\$1,874	\$21
Mar-06	\$1,632	\$0	\$207	\$305	\$0	\$97	\$0	\$2,144	\$97
Apr-06	\$1,797	\$0	\$285	\$417	\$0	\$325	\$0	\$2,499	\$325
May-06	\$1,464	\$0	\$303	\$336	\$0	\$262	\$0	\$2,103	\$262
Jun-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Jul-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Aug-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sep-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Oct-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nov-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Dec-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$7,179	\$0	\$1,131	\$1,612	\$0	\$726	\$0	\$9,922	\$726

	2006 Lost Demand Margin (\$) ^{3,4}							Total	Total
	Rate R	Rate E	Rate G	Rate J	Rate PS ¹	Rate PP ¹	Rate PT ¹	(Excluding P)	Rate P ¹
Jan-06	\$0	\$0	\$0	\$86	\$0	\$17	\$0	\$86	\$17
Feb-06	\$0	\$0	\$0	\$105	\$0	\$17	\$0	\$105	\$17
Mar-06	\$0	\$0	\$0	\$105	\$0	\$77	\$0	\$105	\$77
Apr-06	\$0	\$0	\$0	\$144	\$0	\$259	\$0	\$144	\$259
May-06	\$0	\$0	\$0	\$116	\$0	\$209	\$0	\$116	\$209
Jun-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Jul-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Aug-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sep-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Oct-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nov-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Dec-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$556	\$0	\$579	\$0	\$556	\$579
Total Lost Margin	\$7,179	\$0	\$1,131	\$2,168	\$0	\$1,305	\$0	\$10,478	\$1,305

¹ Lost Margin from Schedule P Participants is recovered in the C&I Cost Recovery Surcharge.

² Lost Energy Margin (\$) = [Lost Kwh @ Customer Level x Net Energy Rate] - [Lost Kwh @ System Level x Variable O&M]

³ Lost Demand Margin (\$) = Lost Kw @ Customer Level x Unit Demand Rate

⁴ 2006 lost margin based on Installations Approved from January 1 - May 17, 2006. May is prorated based on the number of days from May 1 -May 25 or (25 days/ 31 days).

Reference:

See Exhibit 5, pages 5 and 12.

HAWAIIAN ELECTRIC COMPANY, INC.
Recorded KWH & KW Impact From Jan.1, 2006 - May 17, 2006
Residential New Construction - RNC ^{1,2}

	<u>Rate R</u>	<u>Rate E</u>	<u>Rate G</u>	<u>Rate J</u>	<u>Rate PS</u> ¹	<u>Rate PP</u> ¹	<u>Rate PT</u> ¹	<u>Total</u>	<u>Total</u> <u>Excl. P</u>	<u>Total</u> <u>Rate P</u>
<u>Recorded 2006 Kwh Lost Sales @ System Generation Level Less Free Riders</u>										
Jan-06	12,152	-	1,951	5,498	-	709	-	20,310	19,601	709
Feb-06	18,330	-	2,660	6,740	-	709	-	28,439	27,730	709
Mar-06	21,762	-	2,837	6,740	-	3,192	-	34,531	31,339	3,192
Apr-06	23,967	-	3,901	9,223	-	10,641	-	47,732	37,091	10,641
May-06	24,206	-	5,143	9,223	-	10,641	-	49,213	38,572	10,641
Jun-06	-	-	-	-	-	-	-	-	-	-
Jul-06	-	-	-	-	-	-	-	-	-	-
Aug-06	-	-	-	-	-	-	-	-	-	-
Sep-06	-	-	-	-	-	-	-	-	-	-
Oct-06	-	-	-	-	-	-	-	-	-	-
Nov-06	-	-	-	-	-	-	-	-	-	-
Dec-06	-	-	-	-	-	-	-	-	-	-
Annualized	290,478	-	61,719	110,668	-	127,694	-	590,559	462,865	127,694
<u>Recorded 2006 Kwh Lost Sales @ Customer Level Less Free Riders</u>										
Jan-06	10,796	-	1,733	4,884	-	630	-	18,043	17,413	630
Feb-06	16,285	-	2,363	5,987	-	630	-	25,265	24,635	630
Mar-06	19,334	-	2,521	5,987	-	2,836	-	30,678	27,842	2,836
Apr-06	21,293	-	3,466	8,193	-	9,453	-	42,405	32,952	9,453
May-06	21,506	-	4,569	8,193	-	9,453	-	43,721	34,268	9,453
Jun-06	-	-	-	-	-	-	-	-	-	-
Jul-06	-	-	-	-	-	-	-	-	-	-
Aug-06	-	-	-	-	-	-	-	-	-	-
Sep-06	-	-	-	-	-	-	-	-	-	-
Oct-06	-	-	-	-	-	-	-	-	-	-
Nov-06	-	-	-	-	-	-	-	-	-	-
Dec-06	-	-	-	-	-	-	-	-	-	-
Annualized	258,052	-	54,826	98,310	-	113,434	-	524,622	411,188	113,434
<u>Recorded 2006 Lost Kw Sales @ Customer Level Less Free Riders</u>										
Jan-06	78.2	-	5.0	14.0	-	1.8	-	99.0	97.2	1.8
Feb-06	125.1	-	6.8	17.2	-	1.8	-	150.9	149.1	1.8
Mar-06	162.7	-	7.3	17.2	-	8.1	-	195.3	187.2	8.1
Apr-06	178.6	-	10.0	23.5	-	27.1	-	239.2	212.1	27.1
May-06	180.3	-	13.2	23.5	-	27.1	-	244.1	217.0	27.1
Jun-06	-	-	-	-	-	-	-	-	-	-
Jul-06	-	-	-	-	-	-	-	-	-	-
Aug-06	-	-	-	-	-	-	-	-	-	-
Sep-06	-	-	-	-	-	-	-	-	-	-
Oct-06	-	-	-	-	-	-	-	-	-	-
Nov-06	-	-	-	-	-	-	-	-	-	-
Dec-06	-	-	-	-	-	-	-	-	-	-
Annualized	180.3	-	13.2	23.5	-	27.1	-	244.1	217.0	27.1

¹Lost Margin from Schedule P Participants is recovered in the C&I Cost Recovery Surcharge.

2006 Installations: Net 15.9% (kwh) and 11.5% (kw) Free Riders, 11.17% Loss Factor.

²Annualized impacts represent the annual totals from Jan 1, 06 - May 17, 06.

Reference:

See Exhibit 8.

Hawaiian Electric Company, Inc.
Summary of 2006 Lost Margin for CIEE Program
From January 1, 2006 - May 25, 2006

2006 Lost Energy Margin (\$) ^{1,3}							
	Schedule G	Schedule J	Schedule H	Schedule PS	Schedule PP	Schedule PT	Total
Jan-06	\$153	\$2,612	\$10	\$880	\$344	\$525	\$4,524
Feb-06	\$172	\$3,317	\$10	\$893	\$415	\$525	\$5,332
Mar-06	\$189	\$3,557	\$74	\$1,024	\$512	\$525	\$5,881
Apr-06	\$263	\$3,639	\$74	\$1,024	\$980	\$525	\$6,505
May-06	\$212	\$2,977	\$60	\$826	\$790	\$423	\$5,288
Jun-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Jul-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Aug-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sep-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Oct-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nov-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Dec-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$989	\$16,102	\$228	\$4,647	\$3,041	\$2,523	\$27,530

2006 Lost Demand Margin (\$) ^{2,3}							
	Schedule G	Schedule J	Schedule H	Schedule PS	Schedule PP	Schedule PT	Total
Jan-06	\$0	\$771	\$7	\$640	\$145	\$308	\$1,871
Feb-06	\$0	\$845	\$7	\$649	\$212	\$308	\$2,021
Mar-06	\$0	\$920	\$39	\$724	\$270	\$308	\$2,261
Apr-06	\$0	\$946	\$39	\$724	\$653	\$308	\$2,670
May-06	\$0	\$780	\$31	\$584	\$527	\$248	\$2,170
Jun-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Jul-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Aug-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sep-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Oct-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nov-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Dec-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$4,262	\$123	\$3,321	\$1,807	\$1,480	\$10,993
Total Lost Margin	\$989	\$20,364	\$351	\$7,968	\$4,848	\$4,003	\$38,523

¹ Lost Energy Margin (\$) = [Lost Kwh @ Customer Level x Net Energy Rate] - [Lost Kwh @ System Level x Variable O&M]

² Lost Demand Margin (\$) = Lost Kw @ Customer Level x Unit Demand Rate

³ 2006 lost margin based on Installations Approved from January 1 - May 17, 2006. May is prorated based on the number of days from May 1 -May 25 or (25 days/ 31 days).

Reference:

See Exhibit 5, pages 7 and 12.

Hawaiian Electric Company, Inc.
Recorded KWH & KW Impact From Jan.1, 2006 - May 17, 2006
Commercial & Industrial Energy Efficiency - CIEE^{1,2}

<u>Recorded 2006 Lost Kwh Sales @ System Generation Level Less Free Riders</u>							
	<u>Schedule G</u>	<u>Schedule J</u>	<u>Schedule H</u>	<u>Schedule PS</u>	<u>Schedule PP</u>	<u>Schedule PT</u>	<u>Total</u>
Jan-06	2,097	57,865	237	27,168	11,271	20,925	119,563
Feb-06	2,359	73,470	237	27,587	13,590	20,925	138,168
Mar-06	2,591	78,778	1,767	31,615	16,753	20,925	152,429
Apr-06	3,604	80,611	1,767	31,615	32,080	20,925	170,602
May-06	3,604	81,789	1,767	31,615	32,080	20,925	171,780
Jun-06	-	-	-	-	-	-	-
Jul-06	-	-	-	-	-	-	-
Aug-06	-	-	-	-	-	-	-
Sep-06	-	-	-	-	-	-	-
Oct-06	-	-	-	-	-	-	-
Nov-06	-	-	-	-	-	-	-
Dec-06	-	-	-	-	-	-	-
Annualized	43,244	981,476	21,195	379,374	384,977	251,094	2,061,360

<u>Recorded 2006 Lost Kwh Sales @ Customer Level Less Free Riders</u>							
	<u>Schedule G</u>	<u>Schedule J</u>	<u>Schedule H</u>	<u>Schedule PS</u>	<u>Schedule PP</u>	<u>Schedule PT</u>	<u>Total</u>
Jan-06	1,864	51,411	211	24,136	10,015	18,596	106,233
Feb-06	2,096	65,274	211	24,508	12,076	18,596	122,761
Mar-06	2,302	69,992	1,570	28,087	14,889	18,596	135,436
Apr-06	3,202	71,621	1,570	28,087	28,513	18,596	151,589
May-06	3,202	72,668	1,570	28,087	28,513	18,596	152,636
Jun-06	-	-	-	-	-	-	-
Jul-06	-	-	-	-	-	-	-
Aug-06	-	-	-	-	-	-	-
Sep-06	-	-	-	-	-	-	-
Oct-06	-	-	-	-	-	-	-
Nov-06	-	-	-	-	-	-	-
Dec-06	-	-	-	-	-	-	-
Annualized	38,425	872,014	18,831	337,044	342,154	223,156	1,831,624

<u>Recorded 2006 Lost KW Sales @ Customer Level Less Free Riders</u>							
	<u>Schedule G</u>	<u>Schedule J</u>	<u>Schedule H</u>	<u>Schedule PS</u>	<u>Schedule PP</u>	<u>Schedule PT</u>	<u>Total</u>
Jan-06	5.1	126.0	0.7	60.6	15.2	36.6	244.2
Feb-06	5.7	138.1	0.7	61.5	22.2	36.6	264.8
Mar-06	6.2	150.4	4.1	68.6	28.2	36.6	294.1
Apr-06	8.0	154.6	4.1	68.6	68.3	36.6	340.2
May-06	8.0	158.0	4.1	68.6	68.3	36.6	343.6
Jun-06	-	-	-	-	-	-	-
Jul-06	-	-	-	-	-	-	-
Aug-06	-	-	-	-	-	-	-
Sep-06	-	-	-	-	-	-	-
Oct-06	-	-	-	-	-	-	-
Nov-06	-	-	-	-	-	-	-
Dec-06	-	-	-	-	-	-	-
Annualized	8.0	158.0	4.1	68.6	68.3	36.6	343.6

¹ 2006 Installations: Net 34.7% kWh, 33.6% kW Free riders and 11.17% Loss Factor

² Annualized impacts represent the annual totals from Jan 1, 06 - May 17, 06.

Reference:

See Exhibit 8.

Hawaiian Electric Company, Inc.
Summary of 2006 Lost Margin for CINC Program
From January 1, 2006 - May 25, 2006

2006 Lost Energy Margin (\$) ^{1,3}							
	Schedule G	Schedule J	Schedule H	Schedule PS	Schedule PP	Schedule PT	Total
Jan-06	\$2,683	\$1,664	\$0	\$25	\$689	\$103	\$5,164
Feb-06	\$2,683	\$1,740	\$0	\$25	\$724	\$222	\$5,394
Mar-06	\$2,683	\$4,127	\$0	\$25	\$889	\$222	\$7,946
Apr-06	\$2,683	\$4,219	\$0	\$25	\$889	\$1,160	\$8,976
May-06	\$2,164	\$3,402	\$0	\$20	\$717	\$935	\$7,238
Jun-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Jul-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Aug-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sep-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Oct-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nov-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Dec-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$12,896	\$15,152	\$0	\$120	\$3,908	\$2,642	\$34,718

2006 Lost Demand Margin (\$) ^{2,3}							
	Schedule G	Schedule J	Schedule H	Schedule PS	Schedule PP	Schedule PT	Total
Jan-06	\$0	\$466	\$0	\$14	\$451	\$50	\$981
Feb-06	\$0	\$487	\$0	\$14	\$467	\$135	\$1,103
Mar-06	\$0	\$1,149	\$0	\$14	\$591	\$135	\$1,889
Apr-06	\$0	\$1,165	\$0	\$14	\$591	\$875	\$2,645
May-06	\$0	\$940	\$0	\$11	\$477	\$706	\$2,134
Jun-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Jul-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Aug-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sep-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Oct-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nov-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Dec-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$4,207	\$0	\$67	\$2,577	\$1,901	\$8,752

Total Lost Margin	\$12,896	\$19,359	\$0	\$187	\$6,485	\$4,543	\$43,470
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¹ Lost Energy Margin (\$) = [Lost Kwh @ Customer Level x Net Energy Rate] - [Lost Kwh @ System Level x Variable O&M]

² Lost Demand Margin (\$) = Lost Kw @ Customer Level x Unit Demand Rate

³ 2006 lost margin based on Installations Approved from January 1 - May 17, 2006. May is prorated based on the number of days from May 1 -May 25 or (25 days/31 days).

Reference:

See Exhibit 5, pages 9 and 12.

Hawaiian Electric Company, Inc.
Recorded KWH & KW Impact From Jan.1, 2006 - May 17, 2006
Commercial & Industrial New Construction - CINC^{1,2}

<u>Recorded 2006 Lost Kwh Sales @ System Generation Level Less Free Riders</u>							
	<u>Schedule G</u>	<u>Schedule J</u>	<u>Schedule H</u>	<u>Schedule PS</u>	<u>Schedule PP</u>	<u>Schedule PT</u>	<u>Total</u>
Jan-06	36,742	36,834	-	778	22,568	4,089	101,011
Feb-06	36,742	38,524	-	778	23,717	8,845	108,606
Mar-06	36,742	91,396	-	778	29,113	8,845	166,874
Apr-06	36,742	93,448	-	778	29,113	46,260	206,341
May-06	36,742	93,448	-	778	29,113	46,260	206,341
Jun-06	-	-	-	-	-	-	-
Jul-06	-	-	-	-	-	-	-
Aug-06	-	-	-	-	-	-	-
Sep-06	-	-	-	-	-	-	-
Oct-06	-	-	-	-	-	-	-
Nov-06	-	-	-	-	-	-	-
Dec-06	-	-	-	-	-	-	-
Annualized	440,904	1,121,379	-	9,331	349,358	555,119	2,476,091

<u>Recorded 2006 Lost Kwh Sales @ Customer Level Less Free Riders</u>							
	<u>Schedule G</u>	<u>Schedule J</u>	<u>Schedule H</u>	<u>Schedule PS</u>	<u>Schedule PP</u>	<u>Schedule PT</u>	<u>Total</u>
Jan-06	32,640	32,736	-	691	20,054	3,632	89,753
Feb-06	32,640	34,239	-	691	21,075	7,861	96,506
Mar-06	32,640	81,213	-	691	25,869	7,861	148,274
Apr-06	32,640	83,036	-	691	25,869	41,103	183,339
May-06	32,640	83,036	-	691	25,869	41,103	183,339
Jun-06	-	-	-	-	-	-	-
Jul-06	-	-	-	-	-	-	-
Aug-06	-	-	-	-	-	-	-
Sep-06	-	-	-	-	-	-	-
Oct-06	-	-	-	-	-	-	-
Nov-06	-	-	-	-	-	-	-
Dec-06	-	-	-	-	-	-	-
Annualized	391,681	996,434	-	8,289	310,421	493,240	2,200,065

<u>Recorded 2006 Lost KW Sales @ Customer Level Less Free Riders</u>							
	<u>Schedule G</u>	<u>Schedule J</u>	<u>Schedule H</u>	<u>Schedule PS</u>	<u>Schedule PP</u>	<u>Schedule PT</u>	<u>Total</u>
Jan-06	70.4	76.1	-	1.3	47.2	5.9	200.9
Feb-06	70.4	79.5	-	1.3	48.9	16.1	216.2
Mar-06	70.4	187.8	-	1.3	61.8	16.1	337.4
Apr-06	70.4	190.4	-	1.3	61.8	104.0	427.9
May-06	70.4	190.4	-	1.3	61.8	104.0	427.9
Jun-06	-	-	-	-	-	-	-
Jul-06	-	-	-	-	-	-	-
Aug-06	-	-	-	-	-	-	-
Sep-06	-	-	-	-	-	-	-
Oct-06	-	-	-	-	-	-	-
Nov-06	-	-	-	-	-	-	-
Dec-06	-	-	-	-	-	-	-
Annualized	70.4	190.4	-	1.3	61.8	104.0	427.9

¹ Installations approved in 2006: Net 40.4% (kwh) and 39.0% (kw) Free Riders, and 11.17% Loss Factor.

² Annualized impacts represent the annual totals from Jan 1, 06 - May 17, 06.

Reference:
See Exhibit 8.

Hawaiian Electric Company, Inc.
Summary of 2006 Lost Margin for CICR Program
From January 1, 2006 - May 25, 2006

2006 Lost Energy Margin (\$) ^{1,3}							
	Schedule G	Schedule J	Schedule H	Schedule PS	Schedule PP	Schedule PT	Total
Jan-06	\$12	\$1,267	\$0	\$1,481	\$5,003	\$45	\$7,808
Feb-06	\$12	\$1,308	\$0	\$2,125	\$5,876	\$81	\$9,402
Mar-06	\$12	\$1,455	\$0	\$2,125	\$5,933	\$81	\$9,606
Apr-06	\$3,475	\$1,696	\$0	\$2,125	\$6,096	\$81	\$13,473
May-06	\$2,802	\$1,368	\$0	\$1,714	\$4,916	\$65	\$10,865
Jun-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Jul-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Aug-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sep-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Oct-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nov-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Dec-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$6,313	\$7,094	\$0	\$9,570	\$27,824	\$353	\$51,154

2006 Lost Demand Margin (\$) ^{2,3}							
	Schedule G	Schedule J	Schedule H	Schedule PS	Schedule PP	Schedule PT	Total
Jan-06	\$0	\$283	\$0	\$475	\$1,591	\$21	\$2,370
Feb-06	\$0	\$292	\$0	\$884	\$2,124	\$39	\$3,339
Mar-06	\$0	\$318	\$0	\$884	\$2,149	\$39	\$3,390
Apr-06	\$0	\$365	\$0	\$884	\$2,222	\$39	\$3,510
May-06	\$0	\$294	\$0	\$713	\$1,792	\$31	\$2,830
Jun-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Jul-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Aug-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sep-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Oct-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nov-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Dec-06	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$1,552	\$0	\$3,840	\$9,878	\$169	\$15,439
Margin	\$6,313	\$8,646	\$0	\$13,410	\$37,702	\$522	\$66,593

¹ Lost Energy Margin (\$) = [Lost Kwh @ Customer Level x Net Energy Rate] - [Lost Kwh @ System Level x Variable O&M]

² Lost Demand Margin (\$) = Lost Kw @ Customer Level x Unit Demand Rate

³ 2006 lost margin based on Installations Approved from January 1 - May 17, 2006. May is prorated based on the number of days from May 1 -May 25 or (25 days/31 days).

Reference:

See Exhibit 5, pages 11 and 12.

Hawaiian Electric Company, Inc.
Recorded KWH & KW Impact From Jan. 1, 2006 - May 17, 2006
Commercial & Industrial Customized Rebate - CICR^{1,2}

Recorded 2006 Lost Kwh Sales @ System Generation Level Less Free Riders							
Schedule G	Schedule J	Schedule H	Schedule PS	Schedule PP	Schedule PT	Total	
Jan-06	159	28,068	-	45,712	163,979	1,762	239,680
Feb-06	159	28,978	-	65,616	192,602	3,231	290,586
Mar-06	159	32,231	-	65,616	194,471	3,231	295,708
Apr-06	47,594	37,571	-	65,616	199,811	3,231	353,823
May-06	47,594	37,571	-	65,616	199,811	3,231	353,823
Jun-06	-	-	-	-	-	-	-
Jul-06	-	-	-	-	-	-	-
Aug-06	-	-	-	-	-	-	-
Sep-06	-	-	-	-	-	-	-
Oct-06	-	-	-	-	-	-	-
Nov-06	-	-	-	-	-	-	-
Dec-06	-	-	-	-	-	-	-
Annualized	571,130	450,859	-	787,393	2,397,734	38,770	4,245,886

<u>Recorded 2006 Lost Kwh Sales @ Customer Level Less Free Riders</u>							
	<u>Schedule G</u>	<u>Schedule J</u>	<u>Schedule H</u>	<u>Schedule PS</u>	<u>Schedule PP</u>	<u>Schedule PT</u>	<u>Total</u>
Jan-06	142	24,933	-	40,606	145,663	1,565	212,909
Feb-06	142	25,741	-	58,285	171,088	2,870	258,126
Mar-06	142	28,631	-	58,285	172,748	2,870	262,676
Apr-06	42,278	33,375	-	58,285	177,492	2,870	314,300
May-06	42,278	33,375	-	58,285	177,492	2,870	314,300
Jun-06	-	-	-	-	-	-	-
Jul-06	-	-	-	-	-	-	-
Aug-06	-	-	-	-	-	-	-
Sep-06	-	-	-	-	-	-	-
Oct-06	-	-	-	-	-	-	-
Nov-06	-	-	-	-	-	-	-
Dec-06	-	-	-	-	-	-	-
Annualized	507,335	400,497	-	699,416	2,129,907	34,439	3,771,594

<u>Recorded 2006 Lost KW Sales @ Customer Level Less Free Riders</u>							
	<u>Schedule G</u>	<u>Schedule J</u>	<u>Schedule H</u>	<u>Schedule PS</u>	<u>Schedule PP</u>	<u>Schedule PT</u>	<u>Total</u>
Jan-06	0.2	46.2	-	45.0	166.4	2.5	260.3
Feb-06	0.2	47.7	-	83.7	222.2	4.6	358.4
Mar-06	0.2	52.0	-	83.7	224.8	4.6	365.3
Apr-06	57.6	59.6	-	83.7	232.4	4.6	437.9
May-06	57.6	59.6	-	83.7	232.4	4.6	437.9
Jun-06	-	-	-	-	-	-	-
Jul-06	-	-	-	-	-	-	-
Aug-06	-	-	-	-	-	-	-
Sep-06	-	-	-	-	-	-	-
Oct-06	-	-	-	-	-	-	-
Nov-06	-	-	-	-	-	-	-
Dec-06	-	-	-	-	-	-	-
Annualized	57.6	59.6	-	83.7	232.4	4.6	437.9

¹ Net 24.1% (kWh) 24.5% (kW) Free riders and 11.17% Loss Factor.

² Annualized impacts represent the annual totals from Jan 1, 06 - May 17, 06.

Reference:
See Exhibit 8.

Hawaiian Electric Company, Inc.
2006 Unit Lost Margin Rates

Rate Class		Base Energy Rate (¢ / Kwh) (A)	Interim Rate Increase (%) (B)	Base Fuel Energy Rate (¢ / Kwh) (C)=(A) x (1+(B))	Base Fuel Energy Rate (¢ / Kwh) (D)	Net Energy Rate (¢ / Kwh) (E)=(C)-(D)	Variable O&M (¢ / Kwh) (F)	Unit Demand Rate (\$/KW/Mo) (G)	Unit Demand Rate (\$/KW/Mo) (H)= (1+(B)) x(G)
L1	R	11.2954	6.60%	12.0409	3.5140	8.5269	0.0791	0.00	0.00
L2	E	7.5303	6.60%	8.0273	2.3427	5.6846	0.0791	0.00	0.00
L3	G	11.1570	5.97%	11.8231	3.5140	8.3091	0.0791	0.00	0.00
L4	J	8.1620	6.40%	8.6844	3.5140	5.1704	0.0791	5.75	6.12
L5	H	7.7422	6.68%	8.2594	3.5140	4.7454	0.0791	9.00	9.60
L6	PS	6.7339	7.65%	7.2490	3.5140	3.7350	0.0791	9.81	10.56
L7	PP	6.5747	7.04%	7.0376	3.5140	3.5236	0.0791	8.93	9.56
L8	PT	6.4268	0.00%	6.4268	3.5140	2.9128	0.0791	8.41	8.41

Source:
See HECO's DSM Cost Recovery for 2006 filed March 31, 2006, Exhibit 20, page 6.

HAWAIIAN ELECTRIC COMPANY, INC.
SUMMARY OF SHAREHOLDER INCENTIVES BY PROGRAM - 2006¹

Line No.		2006	
		Shareholder Incentives	
		<u>Before Tax</u>	<u>After Tax</u>
<u>RESIDENTIAL PROGRAMS</u>			
L1	REWH	\$7,656	\$4,677
L2	RNC	\$0	\$0
L3= Σ (L1:L2) Total Residential		<u>\$7,656</u>	<u>\$4,677</u>
<u>C&I PROGRAMS</u>			
L4	CIEE	\$164,375	\$100,417
L5	CINC	\$219,425	\$134,047
L6	CICR	\$312,072	\$190,646
L7	REWH-P	\$3,798	\$2,320
L8	RNC-P	\$14,468	\$8,838
L9= Σ (L4:L8) Total C&I		<u>\$714,138</u>	<u>\$436,268</u>

¹ Shareholder Incentives based on impacts through 5/17/06.

References:

- L1: See Exhibit 6, page 2.
- L2: See Exhibit 6, page 3.
- L4: See Exhibit 6, page 4.
- L5: See Exhibit 6, page 5.
- L6: See Exhibit 6, page 6.
- L7: See Exhibit 6, page 7.
- L8: See Exhibit 6, page 8.

Hawaiian Electric Company, Inc.
Determination of Shareholder Incentive for REWH Program
2006

Year	Annual Savings		Avoided Unit Costs		Total Avoided Cost (\$/Year)
	Energy (MWH)	Capacity (KW)	Energy (\$/MWH)	Capacity (\$/KW)	
(A)	(B)	(C)	(D)	(E)	(F)=(BxD)+(Cx E)
2006	1,053	239	38.58	-	40,625
2007	1,053	239	39.33	-	41,414
2008	1,053	239	42.54	-	44,795
2009	1,053	239	45.71	439.06	153,068
2010	1,053	239	49.61	467.19	163,898
2011	1,053	239	52.36	30.21	62,355
2012	1,053	239	56.02	(50.45)	46,932
2013	1,053	239	59.79	82.69	82,722
2014	1,053	239	65.83	101.07	93,475
2015	1,053	239	55.81	228.78	113,446
2016	1,019	232	63.43	288.66	131,604
2017	1,019	232	73.21	94.62	96,553
2018	1,019	232	79.83	49.23	92,768
2019	1,019	232	86.61	45.00	98,696
2020	1,019	232	72.74	180.20	115,928

$$\begin{aligned}
 \text{Shareholders Incentive After Tax} &= \{[\text{NPV}^1 (\text{Total Avoided Cost})] - (\text{Total Program Cost} - \text{M\&E Cost}^2)\} \times 10\% \\
 &= \{(797,500) - (750,732)\} \times 10\% \\
 &= \$4,677
 \end{aligned}$$

$$\begin{aligned}
 \text{Shareholders Incentive Before Tax} &= \text{Shareholders Incentive After Tax} \div (1 - \text{Tax Rate}) \\
 &= \$4,677 \div (1 - 0.389097) \\
 &= \$7,656
 \end{aligned}$$

¹ NPV is based on an incremental cost of capital after tax discount rate of 8.092%.

² See Exhibit 6, page 9 for Total Program Cost and M&E Cost. Program Costs through 5/16/06.

References:

Cols B,C: Based on technologies approved in 2006 net of free riders through 5/17/06. See Exhibit 9 & Exhibit 10.

Cols D,E: See HECO Accomplishments & Surcharge Report, March 28, 2002; Attachment G, pages 2-3.

Hawaiian Electric Company, Inc.
Determination of Shareholder Incentive for RNC Program
2006

Year	Annual Savings		Avoided Unit Costs		Total Avoided Cost (\$/Year)
	Energy (MWH)	Capacity (KW)	Energy (\$/MWH)	Capacity (\$/KW)	
(A)	(B)	(C)	(D)	(E)	(F)=(BxD)+(Cx E)
2006	463	244	38.58	-	17,863
2007	463	244	39.33	-	18,210
2008	463	244	42.54	-	19,696
2009	463	244	45.71	439.06	128,294
2010	463	244	49.61	467.19	136,964
2011	463	244	52.36	30.21	31,614
2012	463	244	56.02	(50.45)	13,627
2013	463	244	59.79	82.69	47,859
2014	463	244	65.83	101.07	55,140
2015	463	244	55.81	228.78	81,662
2016	351	84	63.43	288.66	46,511
2017	351	84	73.21	94.62	33,645
2018	351	84	79.83	49.23	32,156
2019	351	84	86.61	45.00	34,180
2020	351	84	72.74	180.20	40,669

$$\begin{aligned}
 \text{Shareholders Incentive After Tax} &= \{[\text{NPV}^1(\text{Total Avoided Cost})] - (\text{Total Program Cost} - \text{M\&E Cost}^2)\} \times 10\% \\
 &= \{(455,744) - (543,175)\} \times 10\% \\
 &= (\$8,743) = \$0
 \end{aligned}$$

$$\begin{aligned}
 \text{Shareholders Incentive Before Tax} &= \text{Shareholders Incentive After Tax} \div (1 - \text{Tax Rate}) \\
 &= (\$14,312) = \$0
 \end{aligned}$$

¹ NPV is based on an incremental cost of capital after tax discount rate of 8.092%.

² See Exhibit 6, page 9 for Total Program Cost and M&E Cost. Program Costs through 5/16/06.

References:

Cols B,C: Based on technologies approved in 2006 net of free riders through 5/17/06. See Exhibit 9 & Exhibit 10.

Cols D,E: See HECO Accomplishments & Surcharge Report, March 28, 2002; Attachment G, pages 2-3.

Hawaiian Electric Company, Inc.
Determination of Shareholder Incentive for CIEE Program
2006

Year (A)	Annual Savings		Avoided Unit Costs		Total Avoided Cost (\$/Year) (F)=(BxD)+(CxE)
	Energy (MWH) (B)	Capacity (KW) (C)	Energy (\$/MWH) (D)	Capacity (\$/KW) (E)	
2006	2,061	277	38.58	-	79,513
2007	2,061	277	39.33	-	81,059
2008	2,061	277	42.54	-	87,675
2009	2,061	277	45.71	439.06	215,828
2010	2,061	277	49.61	467.19	231,658
2011	2,061	277	52.36	30.21	116,282
2012	2,061	277	56.02	(50.45)	101,483
2013	2,061	277	59.79	82.69	146,132
2014	2,061	277	65.83	101.07	163,672
2015	2,061	277	55.81	228.78	178,396
2016	2,061	277	63.43	288.66	210,688
2017	2,061	277	73.21	94.62	177,096
2018	2,061	277	79.83	49.23	178,166
2019	2,061	277	86.61	45.00	190,968
2020	2,061	277	72.74	180.20	199,833
2021	597	54	72.41	430.34	66,467
2022	597	54	66.59	489.94	66,211
2023	597	54	99.13	(86.83)	54,492
2024	597	54	76.13	127.27	52,322
2025	597	54	98.46	145.76	66,652

$$\begin{aligned}
 \text{Shareholders Incentive After Tax} &= \{[\text{NPV}^1 (\text{Total Avoided Cost})] - (\text{Total Program Cost} - \text{M\&E Cost}^2)\} \times 10\% \\
 &= \{(1,434,784) - (430,611)\} \times 10\% \\
 &= \$100,417
 \end{aligned}$$

$$\begin{aligned}
 \text{Shareholders Incentive Before Tax} &= \text{Shareholders Incentive After Tax} \div (1 - \text{Tax Rate}) \\
 &= \$100,417 \div (1 - 0.389097) \\
 &= \$164,375
 \end{aligned}$$

¹ NPV is based on an incremental cost of capital after tax discount rate of 8.092%.

² See Exhibit 6, page 9 for Total Program Cost and M&E Cost. Program Costs through 5/16/06.

References:

Cols B,C: Based on technologies approved in 2006 net of free riders through 5/17/06. See Exhibit 9 & Exhibit 10.

Cols D,E: See HECO Accomplishments & Surcharge Report, March 28, 2002; Attachment G, pages 2-3.

Hawaiian Electric Company, Inc.
Determination of Shareholder Incentive for CINC Program
2006

Year (A)	Annual Savings		Avoided Unit Costs		Total Avoided Cost (\$/Year) (F)=(BxD)+(CxE)
	Energy (MWH) (B)	Capacity (KW) (C)	Energy (\$/MWH) (D)	Capacity (\$/KW) (E)	
2006	2,476	410	38.58	-	95,524
2007	2,476	410	39.33	-	97,381
2008	2,476	410	42.54	-	105,329
2009	2,476	410	45.71	439.06	293,193
2010	2,476	410	49.61	467.19	314,382
2011	2,476	410	52.36	30.21	142,029
2012	2,476	410	56.02	(50.45)	118,021
2013	2,476	410	59.79	82.69	181,943
2014	2,476	410	65.83	101.07	204,434
2015	2,430	401	55.81	228.78	227,359
2016	2,430	401	63.43	288.66	269,888
2017	2,430	401	73.21	94.62	215,843
2018	2,430	401	79.83	49.23	213,728
2019	2,430	401	86.61	45.00	228,507
2020	2,430	401	72.74	180.20	249,018
2021	414	62	72.41	430.34	56,659
2022	414	62	66.59	489.94	57,945
2023	414	62	99.13	(86.83)	35,656
2024	414	62	76.13	127.27	39,409
2025	414	62	98.46	145.76	49,800

$$\begin{aligned}\text{Shareholders Incentive After Tax} &= \{[\text{NPV}^1 (\text{Total Avoided Cost})] - (\text{Total Program Cost} - \text{M\&E Cost}^2)\} \times 10\% \\ &= \{(1,767,982) - (427,509)\} \times 10\% \\ &= \$134,047\end{aligned}$$

$$\begin{aligned}\text{Shareholders Incentive Before Tax} &= \text{Shareholders Incentive After Tax} \div (1 - \text{Tax Rate}) \\ &= \$134,047 \div (1 - 0.389097) \\ &= \$219,425\end{aligned}$$

¹ NPV is based on an incremental cost of capital after tax discount rate of 8.092%.

² See Exhibit 6, page 9 for Total Program Cost and M&E Cost. Program Costs through 5/16/06.

References

Cols B,C: Based on technologies approved in 2006 net of free riders through 5/17/06. See Exhibit 9 & Exhibit 10.
Cols D,E: See HECO Accomplishments & Surcharge Report, March 28, 2002; Attachment G, pages 2-3.

Hawaiian Electric Company, Inc.
Determination of Shareholder Incentive for CICR Program
2006

Year (A)	Annual Savings		Avoided Unit Costs		Total Avoided Cost (\$/Year) (F)=(BxD)+(CxE)
	Energy (MWH) (B)	Capacity (KW) (C)	Energy (\$/MWH) (D)	Capacity (\$/KW) (E)	
2006	4,246	550	38.58	-	163,811
2007	4,246	550	39.33	-	166,995
2008	4,246	550	42.54	-	180,625
2009	4,246	550	45.71	439.06	435,568
2010	4,246	550	49.61	467.19	467,599
2011	4,246	550	52.36	30.21	238,936
2012	4,246	550	56.02	(50.45)	210,113
2013	4,246	550	59.79	82.69	299,348
2014	4,246	550	65.83	101.07	335,103
2015	3,768	463	55.81	228.78	316,217
2016	2,368	319	63.43	288.66	242,285
2017	2,368	319	73.21	94.62	203,545
2018	2,368	319	79.83	49.23	204,742
2019	2,368	319	86.61	45.00	219,447
2020	2,368	319	72.74	180.20	229,732
2021	5	1	72.41	430.34	792
2022	5	1	66.59	489.94	823
2023	5	1	99.13	(86.83)	409
2024	5	1	76.13	127.27	508
2025	5	1	98.46	145.76	638

$$\begin{aligned}
 \text{Shareholders Incentive After Tax} &= \{[\text{NPV}^1(\text{Total Avoided Cost})] - (\text{Total Program Cost} - \text{M\&E Cost}^2)\} \times 10\% \\
 &= \{(2,400,585 - (494,128))\} \times 10\% \\
 &= \$190,646
 \end{aligned}$$

$$\begin{aligned}
 \text{Shareholders Incentive Before Tax} &= \text{Shareholders Incentive After Tax} \div (1 - \text{Tax Rate}) \\
 &= \$190,646 \div (1 - 0.389097) \\
 &= \$312,072
 \end{aligned}$$

¹ NPV is based on an incremental cost of capital after tax discount rate of 8.092%.

² See Exhibit 6, page 9 for Total Program Cost and M&E Cost. Program Costs through 5/16/06.

References

Cols B,C: Based on technologies approved in 2006 net of free riders through 5/17/06. See Exhibit 9 & Exhibit 10.

Cols D,E: See HECO Accomplishments & Surcharge Report, March 28, 2002; Attachment G, pages 2-3.

Hawaiian Electric Company, Inc.
Determination of Shareholder Incentive for REWH-P
2006

Year (A)	Annual Savings		Avoided Unit Costs		Total Avoided Cost (\$/Year) (F)=(BxD)+(CxE)
	Energy (MWH) (B)	Capacity (KW) (C)	Energy (\$/MWH) (D)	Capacity (\$/KW) (E)	
2006	43	9	38.58	-	1,659
2007	43	9	39.33	-	1,691
2008	43	9	42.54	-	1,829
2009	43	9	45.71	439.06	5,917
2010	43	9	49.61	467.19	6,338
2011	43	9	52.36	30.21	2,523
2012	43	9	56.02	(50.45)	1,955
2013	43	9	59.79	82.69	3,315
2014	43	9	65.83	101.07	3,740
2015	43	9	55.81	228.78	4,459
2016	-	-	63.43	288.66	-
2017	-	-	73.21	94.62	-
2018	-	-	79.83	49.23	-
2019	-	-	86.61	45.00	-
2020	-	-	72.74	180.20	-
2021	-	-	72.41	430.34	-
2022	-	-	66.59	489.94	-
2023	-	-	99.13	(86.83)	-
2024	-	-	76.13	127.27	-
2025	-	-	98.46	145.76	-

$$\begin{aligned}
 \text{Shareholders Incentive After Tax} &= \{[\text{NPV}^1(\text{Total Avoided Cost})] - (\text{Total Program Cost} - \text{M\&E Cost}^2)\} \times 10\% \\
 &= \{(23,195) - (0)\} \times 10\% \\
 &= \$2,320
 \end{aligned}$$

$$\begin{aligned}
 \text{Shareholders Incentive Before Tax} &= \text{Shareholders Incentive After Tax} \div (1 - \text{Tax Rate}) \\
 &= \$2,320 \div (1 - 0.389097) \\
 &= \$3,798
 \end{aligned}$$

¹ NPV is based on an incremental cost of capital after tax discount rate of 8.092%.

² Program Costs through 5/16/06. REWH-P program costs = \$0.

References

Cols B,C: Based on technologies approved in 2006 net of free riders through 5/17/06. See Exhibit 9 & Exhibit 10.
Cols D,E: See HECO Accomplishments & Surcharge Report, March 28, 2002; Attachment G, pages 2-3.

Hawaiian Electric Company, Inc.
Determination of Shareholder Incentive for RNC-P
2006

Year (A)	Annual Savings		Avoided Unit Costs		Total Avoided Cost (\$/Year) (F)=(BxD)+(CxE)
	Energy (MWH) (B)	Capacity (KW) (C)	Energy (\$/MWH) (D)	Capacity (\$/KW) (E)	
2006	128	30	38.58	-	4,938
2007	128	30	39.33	-	5,034
2008	128	30	42.54	-	5,445
2009	128	30	45.71	439.06	19,023
2010	128	30	49.61	467.19	20,366
2011	128	30	52.36	30.21	7,608
2012	128	30	56.02	(50.45)	5,657
2013	128	30	59.79	82.69	10,134
2014	128	30	65.83	101.07	11,458
2015	128	30	55.81	228.78	14,007
2016	128	30	63.43	288.66	16,779
2017	128	30	73.21	94.62	12,209
2018	128	30	79.83	49.23	11,695
2019	128	30	86.61	45.00	12,436
2020	128	30	72.74	180.20	14,717
2021	-	-	72.41	430.34	-
2022	-	-	66.59	489.94	-
2023	-	-	99.13	(86.83)	-
2024	-	-	76.13	127.27	-
2025	-	-	98.46	145.76	-

$$\begin{aligned}
 \text{Shareholders Incentive After Tax} &= \{[\text{NPV}^1(\text{Total Avoided Cost})] - (\text{Total Program Cost} - \text{M\&E Cost}^2)\} \times 10\% \\
 &= \{(98,883) - (10,500)\} \times 10\% \\
 &= \$8,838
 \end{aligned}$$

$$\begin{aligned}
 \text{Shareholders Incentive Before Tax} &= \text{Shareholders Incentive After Tax} \div (1 - \text{Tax Rate}) \\
 &= \$8,838 \div (1 - 0.389097) \\
 &= \$14,468
 \end{aligned}$$

¹ NPV is based on an incremental cost of capital after tax discount rate of 8.092%.

² See Exhibit 6, page 9 for Total Program Cost and M&E Cost. Program Costs through 5/16/06.

References

Cols B,C: Based on technologies approved in 2006 net of free riders through 5/17/06. See Exhibit 9 & Exhibit 10.

Cols D,E: See HECO Accomplishments & Surcharge Report, March 28, 2002; Attachment G, pages 2-3.

HECO
DSM 2006 Year-to-Date Actuals through May 16

	<u>CIEE</u>	<u>CINC</u>	<u>CICR</u>	<u>Total C&I</u>	<u>REWH</u>	<u>RNC</u>	<u>Total Res.</u>
Incremental							
Incentives	168,446	307,235	329,435	805,116	496,290	438,154 ⁴	934,444
Evaluation	0	0	0	0	0	0	0
Other ¹	210,282 ^{2,3}	88,585	136,962	435,829	217,855	102,478	320,333
Base Costs							
Labor	51,883	31,689	27,731	111,303	36,587	13,043	49,630
Non-labor							
Total Costs	430,611	427,509	494,128	1,352,248	750,732	553,675	1,304,407

¹ Includes incremental labor, implementation, tracking, advertising, materials, travel and misc. costs.

² Does not include expenses and revenues for the Light Year program

³ Includes \$74,316.44 of accrued invoices (accrued in 2005 but to be recovered in 2006)

⁴ \$10,500 allocated to RNC-P. Total RNC (Non-P) costs = \$543,175.

Source: Customer Efficiency Division.

HAWAIIAN ELECTRIC COMPANY, INC.
RESIDENTIAL BILL @ 600 KWH PER MONTH

Line No.		Total Bill Before DSM Adj 5/26/06 Change (\$) (A)	Total Bill After DSM Adj 5/26/06 Change (\$)* (B)
1	Customer Charge	7.00	7.00
2	Energy Charge	67.77	67.77
3	DSM Adjustment	2.18	2.15
4	Interim Rate Increase	4.93	4.93
5	Energy Cost Adjustment	42.16	42.16
	Total Bill	<u>124.04</u>	<u>124.01</u>
	Decrease in Total Bill (\$)		-0.03
	Percentage Decrease		<u>-0.02%</u>

References

- Line 1-2: Base Rates effective January 1, 1997.
 Line 3: Residential DSM Adjustment of 0.3629 ¢/kwh, effective 04/01/06;
 and 0.3578 ¢/kwh, effective 05/26/06.
 Line 4: Interim Rate Increase of 6.6%, effective 9/28/05.
 Line 5: Energy Cost Adjustment Factor of 7.026 ¢/kwh, effective 05/01/06.

SYSTEM: CBSCM900
PROGRAM: ESD515
REPORT: ESD515-01

HAWAIIAN ELECTRIC COMPANY
CUSTOMER / SYSTEM SAVINGS BY INSTALL DATE
FOR APPLICATIONS APPROVED IN 2006

PAGE NUMBER: 1
RUN DATE: 05/18/06
RUN TIME: 07:26:16

TAR	PGM	SCH	YEAR	MONTH	SYSTEM LEVEL SAVINGS		CUSTOMER LEVEL SAVINGS		ENERGY	
1	CICR	GD			DEMAND (KW)	ENERGY (KWH)	DEMAND (KW)	ENERGY (KWH)		
			2005	NOV	300	2,521.0	300	2,239.0		
			2005	TOTAL	300	2,521.0	300	2,239.0		
			2006	APR	85.600	749,957.0	76.000	666,187.0		
			2006	TOTAL	85.600	749,957.0	76.000	666,187.0		
		J	2005	AUG	85.600	752,478.0	76.300	668,426.0		
			2005	SEP	200	5,494.0	200	4,880.0		
			2005	OCT	27.180	2,093.0	25.090	1,859.0		
			2005	NOV	4.000	185,566.0	4.500	164,838.0		
			2005	DEC	6.100	20,603.0	5.390	18,301.0		
			2005	TOTAL	38.080	52,845.0	35.780	46,943.0		
			2006	JAN	19.204	266,601.0	19.324	236,821.0		
			2006	FEB	6.332	116,397.6	5.516	103,395.0		
			2006	MAR	6.356	1,721.6	5.650	1,529.9		
			2006	TOTAL	25.892	51,436.1	25.490	45,690.8		
		J3	2005	NOV	63.972	169,555.3	61.270	150,615.7		
			2005	DEC	5.540	436,156.3	5.090	387,436.7		
			2005	TOTAL	1.690	50,974.0	1.500	45,280.0		
			2006	FEB	7.230	12,665.0	6.590	11,250.0		
			2006	TOTAL	1.100	63,639.0	1.000	58,698.0		
		J4	2005	NOV	1.100	9,791.0	1.000	8,698.0		
			2005	TOTAL	1.100	9,791.0	1.000	8,698.0		
		J5	2006	APR	11.260	84,431.0	10.000	75,000.0		
			2006	TOTAL	11.260	84,431.0	10.000	75,000.0		
		PP3	2000	NOV	4.200	28,376.0	3.700	25,206.0		
			2000	TOTAL	4.200	28,376.0	3.700	25,206.0		
			2005	JUL	86.340	983,215.0	85.920	822,502.0		
			2005	SEP	229.530	1,409,833.0	195.920	1,242,337.0		
			2005	OCT	5.339	41,233.4	5.372	40,500.0		
			2005	DEC	312.769	2,435,502.4	201.232	1,632,157.4		
			2006	JAN	16.890	432,523.6	15.000	362,500.0		
			2006	FEB	80.961	452,523.6	73.886	401,982.2		
			2006	MAR	1.260	23,551.0	1.000	18,250.0		
			2006	APR	11.260	84,431.0	10.000	75,000.0		
			2006	TOTAL	112.851	692,157.6	102.386	603,732.6		
		PS	2005	DEC	439.820	3,154,032.0	307.378	2,604,487.0		
			2006	JAN	38.500	354,032.0	26.610	244,487.0		
			2006	TOTAL	38.500	354,032.0	26.610	244,487.0		
		PS5	2006	FEB	45.712	314,694.8	51.254	309,997.5		
			2006	TOTAL	45.712	314,694.8	51.254	309,997.5		
			2005	DEC	37.150	368,682.0	33.000	327,500.0		
			2005	TOTAL	37.150	368,682.0	33.000	327,500.0		
		PT1	2006	JAN	3.710	27,862.0	3.300	24,750.0		
			2006	FEB	3.810	23,219.0	3.250	20,625.0		
			2006	TOTAL	6.810	51,081.0	6.050	45,375.0		
		P3	2004	DEC	.415	2,034.4	.435	1,806.8		

SYSTEM: CBSCM900
PROGRAM: ESD515
REPORT: ESD515-01

H A W A I I A N E L E C T R I C C O M P A N Y
CUSTOMER / SYSTEM SAVINGS BY INSTALL DATE
FOR APPLICATIONS APPROVED IN 2006

PAGE NUMBER: 2
RUN DATE: 05/18/06
RUN TIME: 07:26:16

TAR	PGM	SCH	YEAR	MONTH	SYSTEM LEVEL SAVINGS		CUSTOMER LEVEL SAVINGS	
					DEMAND (KW)	ENERGY (KWH)	DEMAND (KW)	ENERGY (KWH)
			2004	TOTAL	.415	2,034.4	.435	1,806.8
			RATE	TOTAL	.415	2,034.4	.435	1,806.8
			PGM	TOTAL	727.869	5,594,055.5	579.887	4,969,165.6
	CIEE	G	2003	NOV	1.316	9,738.4	2.256	8,657.4
			2003	TOTAL	1.316	9,738.4	2.256	8,657.4
			2005	OCT	.240	1,804.0	.280	1,604.0
			2005	NOV	.336	3,324.0	.672	2,954.4
			2005	DEC	.375	3,060.5	.440	2,719.0
			2005	TOTAL	.951	8,188.5	1.392	7,277.4
			2006	JAN	.943	6,355.0	1.107	5,645.7
			2006	FEB	.713	4,805.0	.837	4,268.7
			2006	MAR	.628	4,255.5	.737	3,780.7
			2006	APR	2.345	18,619.4	2.763	16,540.5
			2006	TOTAL	4.629	34,034.9	5.444	30,235.6
			RATE	TOTAL	6.896	51,961.8	9.092	46,170.4
		GD	2003	AUG	.714	5,283.6	1.224	4,697.1
			2003	TOTAL	.714	5,283.6	1.224	4,697.1
			2005	DEC	.428	4,947.8	.972	4,396.6
			2005	TOTAL	.428	4,947.8	.972	4,396.6
			2006	JAN	.598	4,030.0	.702	3,580.2
			2006	TOTAL	.598	4,030.0	.702	3,580.2
			RATE	TOTAL	1.740	14,261.4	2.898	12,673.9
		H	2003	DEC	.588	4,351.2	1.008	3,868.2
			2003	TOTAL	.588	4,351.2	1.008	3,868.2
			2006	MAR	5.010	28,107.0	5.100	24,969.0
			2006	TOTAL	5.010	28,107.0	5.100	24,969.0
			RATE	TOTAL	5.598	32,458.2	6.108	28,837.2
		J	2005	JUN	2.226	16,472.4	3.816	14,643.9
			2005	AUG	.153	1,528.3	.391	1,358.3
			2005	OCT	8.695	41,561.5	8.279	36,924.4
			2005	NOV	3.024	13,005.0	3.366	11,552.4
			2005	DEC	66.924	397,447.6	54.033	353,170.1
			2005	TOTAL	81.022	470,014.8	69.885	417,649.1
			2006	JAN	6.388	46,462.2	10.738	41,307.2
			2006	FEB	48.813	286,547.7	18.169	254,560.9
			2006	MAR	10.252	97,549.7	18.529	86,694.0
			2006	APR	3.238	29,178.9	5.634	25,926.4
			2006	MAY	4.637	21,653.5	5.188	19,235.1
			2006	TOTAL	73.328	481,392.0	58.258	427,723.6
			RATE	TOTAL	154.350	951,406.8	128.143	845,372.7
		J3	2005	DEC	.759	5,115.0	.891	4,544.1
			2005	TOTAL	.759	5,115.0	.891	4,544.1
			2006	FEB	.030	225.5	.035	200.5
			2006	TOTAL	.030	225.5	.035	200.5
			RATE	TOTAL	.789	5,340.5	.926	4,744.6
		J4	2005	DEC	52.164	541,768.5	108.297	481,269.6
			2005	TOTAL	52.164	541,768.5	108.297	481,269.6
			RATE	TOTAL	52.164	541,768.5	108.297	481,269.6
		J5	2006	APR	.600	4,510.0	.700	4,010.0
			2006	TOTAL	.600	4,510.0	.700	4,010.0
			RATE	TOTAL	.600	4,510.0	.700	4,010.0
		PP3	2003	DEC	1.600	7,873.0	1.620	6,994.0

SYSTEM: CBSCM900
PROGRAM: ESD515
REPORT: ESD515-01

HAWAIIAN ELECTRIC COMPANY
CUSTOMER / SYSTEM SAVINGS BY INSTALL DATE
FOR APPLICATIONS APPROVED IN 2006

PAGE NUMBER: 3
RUN DATE: 05/18/06
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TAR	PGM	SCH	YEAR	MONTH	SYSTEM LEVEL SAVINGS		CUSTOMER LEVEL SAVINGS	
					DEMAND (KW)	ENERGY (KWH)	DEMAND (KW)	ENERGY (KWH)
			2003	TOTAL	1.600	7,873.0	1.620	6,994.0
			2004	OCT	.120	902.0	.140	802.0
			2004	TOTAL	.120	902.0	.140	802.0
			2005	NOV	18.100	138,156.0	11.040	122,748.0
			2005	DEC	6.479	44,410.6	7.657	39,463.0
			2005	TOTAL	24.579	182,566.6	18.697	162,211.0
			2006	JAN	2.100	15,785.0	2.450	14,035.0
			2006	FEB	4.454	42,623.5	10.555	37,881.7
			2006	MAR	7.734	58,133.9	9.023	51,688.9
			2006	APR	36.063	281,667.6	60.372	250,359.4
			2006	TOTAL	50.351	398,210.0	82.400	353,965.0
			2006	RATE	76.650	589,551.6	102.857	523,972.0
		PS	2005	NOV	17.388	117,180.0	20.412	104,101.2
			2005	DEC	30.426	382,079.9	70.891	339,435.9
			2005	TOTAL	47.814	499,259.9	91.303	443,537.1
			2006	FEB	1.122	7,690.8	1.326	6,834.0
			2006	MAR	8.808	74,019.4	10.624	65,774.6
			2006	TOTAL	9.930	81,710.2	11.950	72,608.6
			2006	RATE	57.744	580,970.1	103.253	516,145.7
		PT1	2005	FEB	6.538	46,912.4	10.884	41,709.3
			2005	OCT	1.400	10,360.0	2.400	9,210.0
			2005	NOV	3.780	27,972.0	6.480	24,867.0
			2005	TOTAL	11.718	85,244.4	19.764	75,786.3
			2006	JAN	48.614	299,278.8	35.408	265,953.3
			2006	TOTAL	48.614	299,278.8	35.408	265,953.3
			2006	RATE	60.332	384,523.2	55.172	341,739.6
			2006	PGM	416.863	3,156,752.1	517.446	2,804,935.7
		CINC	2005	DEC	75.999	433,952.6	36.257	385,518.2
			2005	TOTAL	75.999	433,952.6	36.257	385,518.2
			2006	JAN	44.550	305,820.0	79.200	271,665.0
			2006	TOTAL	44.550	305,820.0	79.200	271,665.0
			2006	RATE	120.549	739,772.6	115.457	657,183.2
		J	2005	AUG	2.170	23,152.4	4.308	20,577.1
			2005	OCT	10.871	71,164.5	15.383	63,248.4
			2005	NOV	29.643	175,312.8	21.611	155,805.2
			2005	DEC	76.514	471,989.6	83.505	419,488.6
			2005	TOTAL	119.198	741,619.3	124.807	659,119.3
			2006	FEB	4.114	34,034.0	5.610	30,256.6
			2006	MAR	189.449	1,064,535.8	177.603	945,788.9
			2006	APR	5.451	41,320.4	4.220	36,705.2
			2006	TOTAL	199.014	1,139,890.2	187.433	1,012,750.7
			2006	RATE	318.212	1,881,509.5	312.240	1,671,870.0
		PP3	2004	JAN	10.471	60,867.7	10.235	54,095.0
			2004	FEB	.531	3,327.3	.657	2,959.2
			2004	DEC	47.416	266,759.8	45.516	237,020.1
			2004	TOTAL	58.418	330,954.8	56.408	294,074.3
			2005	APR	11.499	77,607.2	11.078	68,963.2
			2005	JUN	.715	4,459.0	.780	3,965.0
			2005	AUG	.640	4,272.0	2.080	3,808.0
			2005	OCT	.030	225.5	.035	200.5
			2005	NOV	2.100	12,369.0	2.200	10,987.0
			2005	TOTAL	14.984	98,932.7	16.173	87,923.7

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TAR	PGM	SCH	YEAR	MONTH	SYSTEM LEVEL SAVINGS		CUSTOMER LEVEL SAVINGS		
					DEMAND (KW)	ENERGY (KWH)	DEMAND (KW)	ENERGY (KWH)	
			2006	JAN	4.104	24,504.5	4.841	21,768.5	
			2006	FEB	3.080	23,137.5	2.815	20,554.5	
			2006	MAR	19.591	108,641.1	21.074	96,520.8	
			2006	TOTAL	26.775	156,283.1	28.730	138,843.8	
			RATE	TOTAL	100.177	586,170.6	101.311	520,841.8	
		PS5	2005	DEC	2.432	15,656.0	2.128	13,908.0	
			2005	TOTAL	2.432	15,656.0	2.128	13,908.0	
			RATE	TOTAL	2.432	15,656.0	2.128	13,908.0	
		PT1	2005	DEC	10.980	82,320.0	9.750	73,125.0	
			2005	TOTAL	10.980	82,320.0	9.750	73,125.0	
			2006	FEB	15.356	95,765.6	16.752	85,156.0	
			2006	APR	104.278	753,322.9	144.121	669,301.6	
			2006	TOTAL	119.634	849,088.5	160.873	754,457.6	
			RATE	TOTAL	130.614	931,408.5	170.623	827,582.6	
			PGM	TOTAL	671.984	4,154,517.2	701.759	3,691,385.6	
		RDLC	E	2006	FEB	.680	.0	.604	.0
			2006	MAR	.680	.0	.604	.0	
			2006	APR	2.040	.0	1.812	.0	
			2006	MAY	2.040	.0	1.812	.0	
			2006	TOTAL	5.440	.0	4.832	.0	
			RATE	TOTAL	5.440	.0	4.832	.0	
		E1	2006	APR	.680	.0	.604	.0	
			2006	MAY	.680	.0	.604	.0	
			2006	TOTAL	1.360	.0	1.208	.0	
			RATE	TOTAL	1.360	.0	1.208	.0	
		R	2006	JAN	189.040	.0	167.912	.0	
			2006	FEB	378.760	.0	336.428	.0	
			2006	MAR	505.920	.0	449.376	.0	
			2006	APR	396.440	.0	352.132	.0	
			2006	MAY	123.760	.0	109.928	.0	
			2006	TOTAL	1,593.920	.0	1,415.776	.0	
			RATE	TOTAL	1,593.920	.0	1,415.776	.0	
		RM	2006	JAN	.680	.0	.604	.0	
			2006	MAR	.680	.0	.604	.0	
			2006	APR	2.040	.0	1.812	.0	
			2006	MAY	.680	.0	.604	.0	
			2006	TOTAL	4.080	.0	3.624	.0	
			RATE	TOTAL	4.080	.0	3.624	.0	
			PGM	TOTAL	1,604.800	.0	1,425.440	.0	
		RNC	G	2005	NOV	.574	2,530.6	.510	2,248.0
			2005	TOTAL	.574	2,530.6	.510	2,248.0	
			2006	JAN	5.740	25,306.0	5.100	22,480.0	
			2006	FEB	2.296	10,122.4	2.040	8,992.0	
			2006	MAR	.574	2,530.6	.510	2,248.0	
			2006	APR	3.444	15,183.6	3.060	13,488.0	
			2006	MAY	4.018	17,714.2	3.570	15,736.0	
			2006	TOTAL	16.072	70,856.8	14.280	62,944.0	
			RATE	TOTAL	16.646	73,387.4	14.790	65,192.0	
		J3	2005	DEC	6.888	30,367.2	6.120	26,976.0	
			2005	TOTAL	6.888	30,367.2	6.120	26,976.0	
			2006	JAN	10.906	48,081.4	9.690	42,712.0	

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TAR	PGM	SCH	YEAR	MONTH	SYSTEM LEVEL SAVINGS		CUSTOMER LEVEL SAVINGS	
					DEMAND (KW)	ENERGY (KWH)	DEMAND (KW)	ENERGY (KWH)
			2006	FEB	4.018	17,714.2	3.570	15,736.0
			2006	APR	8.036	35,428.4	7.140	31,472.0
			2006	TOTAL	22.960	103,224.0	20.400	89,920.0
		PP3	2005	SEP	29.848	131,591.2	26.520	116,896.0
			2005	TOTAL	1.722	7,591.8	1.530	6,744.0
			2005	SEP	1.722	7,591.8	1.530	6,744.0
			2006	JAN	5.74	2,530.8	5.10	2,248.0
			2006	MAR	8.036	35,428.4	7.140	31,472.0
			2006	APR	24.108	106,285.2	21.420	91,416.0
			2006	TOTAL	32.718	144,244.2	29.070	128,136.0
		R	2006	TOTAL	34.440	151,836.0	30.600	134,880.0
			2005	MAR	.550	2,294.9	.489	2,262.0
			2005	MAY	.574	2,330.6	.510	2,248.0
			2005	JUL	.613	2,710.7	.545	2,408.0
			2005	AUG	2.262	9,595.4	2.012	3,194.0
			2005	SEP	2.545	9,147.4	2.264	8,126.0
			2005	OCT	3.650	16,255.0	3.250	14,440.0
			2005	NOV	4.037	17,417.8	3.600	16,590.0
			2005	DEC	27.405	36,155.5	24.385	32,120.0
			2005	TOTAL	41.637	78,107.3	37.055	69,388.0
			2006	JAN	57.745	95,288.0	51.350	84,650.0
			2006	FEB	59.578	88,158.0	52.968	78,316.0
			2006	MAR	47.785	48,969.9	42.489	43,504.0
			2006	APR	20.172	31,458.1	17.933	27,946.0
			2006	MAY	2.224	3,415.3	1.977	3,034.0
			2006	TOTAL	187.504	267,289.3	166.717	237,450.0
			2006	RATE TOTAL	229.141	345,396.6	203.772	306,838.0
			2006	PGM TOTAL	310.075	702,211.2	275.682	623,806.0
		RWH	2005	DEC	.039	180.1	.035	160.0
			2005	TOTAL	.039	180.1	.035	160.0
			2006	MAR	.575	2,532.9	.511	2,250.0
			2006	APR	.039	180.1	.035	160.0
			2006	TOTAL	.614	2,713.0	.546	2,410.0
			2006	RATE TOTAL	.653	2,893.1	.581	2,570.0
		E1	2006	FEB	.575	2,532.9	.511	2,250.0
			2006	MAR	.039	180.1	.035	160.0
			2006	TOTAL	.614	2,713.0	.546	2,410.0
			2006	RATE TOTAL	.614	2,713.0	.546	2,410.0
		G	2006	JAN	.575	2,532.9	.511	2,250.0
			2006	FEB	.575	2,532.9	.511	2,250.0
			2006	MAR	.039	180.1	.035	160.0
			2006	APR	.039	180.1	.035	160.0
			2006	TOTAL	1.228	5,426.0	1.092	4,820.0
			2006	RATE TOTAL	1.228	5,426.0	1.092	4,820.0
		PP3	2005	SEP	.663	3,061.7	.595	2,720.0
			2005	OCT	1.014	4,682.6	.910	4,160.0
			2005	NOV	.312	1,440.8	.280	1,280.0
			2005	DEC	.351	1,620.9	.315	1,440.0
			2005	TOTAL	2.340	10,806.0	2.100	9,600.0
			2006	JAN	.546	2,521.4	.490	2,240.0
			2006	FEB	.234	1,080.6	.210	960.0
			2006	MAR	.390	1,801.0	.350	1,600.0

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TAR	PGM	SCH	YEAR	MONTH	SYSTEM LEVEL SAVINGS		CUSTOMER LEVEL SAVINGS	
					DEMAND (KW)	ENERGY (KWH)	DEMAND (KW)	ENERGY (KWH)
			2006	APR	.117	540.3	.105	480.0
			2006	TOTAL	1.287	5,943.3	1.155	5,280.0
			2006	RATE	3.627	16,749.3	3.255	14,880.0
		PT1	2005	SEP	.507	2,341.3	.455	2,080.0
			2005	OCT	.585	2,701.5	.525	2,400.0
			2005	NOV	1.638	7,564.2	1.470	6,720.0
			2005	DEC	1.599	7,384.1	1.435	6,560.0
			2005	TOTAL	4.329	19,991.1	3.885	17,760.0
			2006	JAN	1.716	7,924.4	1.540	7,040.0
			2006	FEB	1.443	6,663.7	1.295	5,920.0
			2006	MAR	1.599	7,384.1	1.435	6,560.0
			2006	TOTAL	4.758	21,972.2	4.270	19,520.0
		R	2006	RATE	9.087	41,963.3	8.155	37,280.0
			2005	FEB	.575	2,532.9	.511	2,250.0
			2005	APR	.039	180.1	.035	160.0
			2005	JUN	.039	180.1	.035	160.0
			2005	JUL	1.228	5,426.0	1.092	4,820.0
			2005	AUG	1.423	6,326.5	1.267	5,620.0
			2005	SEP	7.017	30,935.1	6.237	27,480.0
			2005	OCT	9.931	43,779.7	8.827	38,890.0
			2005	NOV	21.051	92,805.3	18.711	82,440.0
			2005	DEC	44.539	196,619.7	39.599	174,660.0
			2005	TOTAL	85.842	378,785.4	76.314	336,480.0
			2006	JAN	84.477	372,481.9	75.089	330,880.0
			2006	FEB	71.174	313,865.0	63.266	278,810.0
			2006	MAR	57.228	252,523.6	50.876	224,320.0
			2006	APR	19.687	86,996.1	17.507	77,280.0
		2006	MAY	.614	2,713.0	.546	2,410.0	
		2006	TOTAL	233.180	1,028,579.6	207.284	913,700.0	
		RM	2006	RATE	319.022	1,407,365.0	283.598	1,250,180.0
			2005	MAY	.575	2,532.9	.511	2,250.0
			2005	DEC	1.150	5,065.8	1.022	4,500.0
			2005	TOTAL	1.725	7,598.7	1.533	6,750.0
			2006	FEB	1.228	5,426.0	1.092	4,820.0
			2006	MAR	1.725	7,598.7	1.533	6,750.0
			2006	APR	1.150	5,065.8	1.022	4,500.0
			2006	TOTAL	4.103	18,090.5	3.647	16,070.0
			2006	RATE	5.828	25,689.2	5.180	22,820.0
			2006	PGM	TOTAL	340.059	1,502,798.9	302.407

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TAR	PGM	SCH	EQUIPMENT	MKT	YEAR	MONTH	UNIT	QUANTITY	SYSTEM LEVEL SAVINGS		CUSTOMER LEVEL SAVINGS	
									DEMAND (KW)	ENERGY (KWH)	DEMAND (KW)	ENERGY (KWH)
1	CICR	GD	LED EXIT SIGNS (15 YEA	EXIST	2005	NOV	UNIT	1	.300	2,521.0	.300	2,239.0
					2005	TOTAL	UNIT	1	.300	2,521.0	.300	2,239.0
					MKT	TOTAL	UNIT	1	.300	2,521.0	.300	2,239.0
					EQUIP	TOTAL	UNIT	1	.300	2,521.0	.300	2,239.0
10 yrs.			LED TRAFFIC SIGNAL (10	EXIST	2006	APR	UNIT	1	85.600	749,957.0	76.000	666,187.0
					2006	TOTAL	UNIT	1	85.600	749,957.0	76.000	666,187.0
					MKT	TOTAL	UNIT	1	85.600	749,957.0	76.000	666,187.0
					EQUIP	TOTAL	UNIT	1	85.600	749,957.0	76.000	666,187.0
					RATE	TOTAL	UNIT	2	85.900	752,478.0	76.300	668,426.0
J			REPLACEMENTS	EXIST	2006	MAR	UNIT	1	4.240	39,840.0	3.770	35,390.0
					2006	TOTAL	UNIT	1	4.240	39,840.0	3.770	35,390.0
					MKT	TOTAL	UNIT	1	4.240	39,840.0	3.770	35,390.0
					EQUIP	TOTAL	UNIT	1	4.240	39,840.0	3.770	35,390.0
20 yrs.			19 LED EXIT SIGNS	EXIST	2005	OCT	UNIT	1	.780	6,764.0	.690	6,009.0
					2005	TOTAL	UNIT	1	.780	6,764.0	.690	6,009.0
					MKT	TOTAL	UNIT	1	.780	6,764.0	.690	6,009.0
					EQUIP	TOTAL	UNIT	1	.780	6,764.0	.690	6,009.0
			CFL SCREW IN (9 YEARS)	EXIST	2006	MAR	UNIT	1	2.116	11,596.1	1.880	10,300.8
					2006	TOTAL	UNIT	1	2.116	11,596.1	1.880	10,300.8
					MKT	TOTAL	UNIT	1	2.116	11,596.1	1.880	10,300.8
					EQUIP	TOTAL	UNIT	1	2.116	11,596.1	1.880	10,300.8
10 yrs.			EMS/CONTROLS	EXIST	2006	JAN	UNIT	1	18.900	112,901.0	18.750	100,290.0
					2006	TOTAL	UNIT	1	18.900	112,901.0	18.750	100,290.0
					MKT	TOTAL	UNIT	1	18.900	112,901.0	18.750	100,290.0
					EQUIP	TOTAL	UNIT	1	18.900	112,901.0	18.750	100,290.0
			F32T8 25 WATTS ALTO PH	EXIST	2005	NOV	UNIT	1	3.300	14,771.0	3.900	13,121.0
					2005	TOTAL	UNIT	1	3.300	14,771.0	3.900	13,121.0
					MKT	TOTAL	UNIT	1	3.300	14,771.0	3.900	13,121.0
					EQUIP	TOTAL	UNIT	1	3.300	14,771.0	3.900	13,121.0
			LED EXIT SIGNS (15 YEA	EXIST	2005	AUG	UNIT	1	.600	5,494.0	.600	4,880.0
					2005	SEP	UNIT	1	.200	2,093.0	.200	1,859.0
					2005	NOV	UNIT	1	.700	5,832.0	.600	5,180.0
					2005	DEC	UNIT	2	5.100	44,088.0	4.500	39,164.0
					2005	TOTAL	UNIT	5	6.600	57,507.0	5.900	51,083.0
					MKT	TOTAL	UNIT	5	6.600	57,507.0	5.900	51,083.0
					EQUIP	TOTAL	UNIT	5	6.600	57,507.0	5.900	51,083.0
			TINT	EXIST	2006	JAN	UNIT	1	.304	3,496.6	.574	3,105.0
					2006	TOTAL	UNIT	1	.304	3,496.6	.574	3,105.0
					MKT	TOTAL	UNIT	1	.304	3,496.6	.574	3,105.0
					EQUIP	TOTAL	UNIT	1	.304	3,496.6	.574	3,105.0
			T5 FIXTURES (15 YEARS)	EXIST	2005	OCT	UNIT	1	3.000	16,185.0	3.600	14,377.0
					2005	DEC	UNIT	1	1.000	8,757.0	.890	7,779.0
					2005	TOTAL	UNIT	2	4.000	24,942.0	4.490	22,156.0
					MKT	TOTAL	UNIT	2	4.000	24,942.0	4.490	22,156.0
					EQUIP	TOTAL	UNIT	2	4.000	24,942.0	4.490	22,156.0
			VARIABLE SPEED AIR COM	EXIST	2005	OCT	UNIT	1	23.400	162,617.0	20.800	144,452.0
					2005	TOTAL	UNIT	1	23.400	162,617.0	20.800	144,452.0
					MKT	TOTAL	UNIT	1	23.400	162,617.0	20.800	144,452.0
					EQUIP	TOTAL	UNIT	1	23.400	162,617.0	20.800	144,452.0
			WINDOW FILM	EXIST	2006	FEB	UNIT	1	.332	1,721.6	.516	1,529.9
					2006	TOTAL	UNIT	1	.332	1,721.6	.516	1,529.9
					MKT	TOTAL	UNIT	1	.332	1,721.6	.516	1,529.9
					EQUIP	TOTAL	UNIT	1	.332	1,721.6	.516	1,529.9

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TAR PGM	SCH	EQUIPMENT	MKT	YEAR	MONTH	UNIT	QUANTITY	SYSTEM LEVEL SAVINGS		CUSTOMER LEVEL SAVINGS	
								DEMAND (KW)	ENERGY (KWH)	DEMAND (KW)	ENERGY (KWH)
				RATE	TOTAL	UNIT	15	63,972	436,156.3	61,270	387,436.7
	J3	BOOSTER PUMP	EXIST	2005	NOV	UNIT	1	5,540	50,974.0	5,090	45,280.0
				2005	TOTAL	UNIT	1	5,540	50,974.0	5,090	45,280.0
				MKT	TOTAL	UNIT	1	5,540	50,974.0	5,090	45,280.0
				EQUIP	TOTAL	UNIT	1	5,540	50,974.0	5,090	45,280.0
		HVAC FAN VFD	EXIST	2006	FEB	UNIT	1	1,690	12,665.0	1,500	11,250.0
				2006	TOTAL	UNIT	1	1,690	12,665.0	1,500	11,250.0
				MKT	TOTAL	UNIT	1	1,690	12,665.0	1,500	11,250.0
				EQUIP	TOTAL	UNIT	1	1,690	12,665.0	1,500	11,250.0
				RATE	TOTAL	UNIT	2	7,230	63,639.0	6,590	56,530.0
	J4	LED INSTALL	EXIST	2005	NOV	UNIT	1	1,100	9,791.0	1,000	8,698.0
				2005	TOTAL	UNIT	1	1,100	9,791.0	1,000	8,698.0
				MKT	TOTAL	UNIT	1	1,100	9,791.0	1,000	8,698.0
				EQUIP	TOTAL	UNIT	1	1,100	9,791.0	1,000	8,698.0
				RATE	TOTAL	UNIT	1	1,100	9,791.0	1,000	8,698.0
	J5	HVAC FAN VFD	EXIST	2006	APR	UNIT	1	11,260	84,431.0	10,000	75,000.0
				2006	TOTAL	UNIT	1	11,260	84,431.0	10,000	75,000.0
				MKT	TOTAL	UNIT	1	11,260	84,431.0	10,000	75,000.0
				EQUIP	TOTAL	UNIT	1	11,260	84,431.0	10,000	75,000.0
				RATE	TOTAL	UNIT	1	11,260	84,431.0	10,000	75,000.0
	PP3	CFL SCREW IN (9 YEARS)	EXIST	2006	FEB	UNIT	1	77,661	425,607.6	68,986	378,067.2
				2006	TOTAL	UNIT	1	77,661	425,607.6	68,986	378,067.2
				MKT	TOTAL	UNIT	1	77,661	425,607.6	68,986	378,067.2
				EQUIP	TOTAL	UNIT	1	77,661	425,607.6	68,986	378,067.2
		EMS/CONTROLS	EXIST	2000	NOV	UNIT	1	4,200	28,376.0	3,700	25,206.0
				2000	TOTAL	UNIT	1	4,200	28,376.0	3,700	25,206.0
				MKT	TOTAL	UNIT	1	4,200	28,376.0	3,700	25,206.0
				EQUIP	TOTAL	UNIT	1	4,200	28,376.0	3,700	25,206.0
		HIGH PERFORMANCE T8	EXIST	2005	SEP	UNIT	1	220,560	1,409,833.0	195,920	1,252,354.0
				2005	TOTAL	UNIT	1	220,560	1,409,833.0	195,920	1,252,354.0
				MKT	TOTAL	UNIT	1	220,560	1,409,833.0	195,920	1,252,354.0
				EQUIP	TOTAL	UNIT	1	220,560	1,409,833.0	195,920	1,252,354.0
10 yrs.		HVAC CONTROLS	EXIST	2005	JUL	UNIT	1	86,340	982,215.0	0.000	872,502.0
				2005	TOTAL	UNIT	1	86,340	982,215.0	0.000	872,502.0
				MKT	TOTAL	UNIT	1	86,340	982,215.0	0.000	872,502.0
				EQUIP	TOTAL	UNIT	1	86,340	982,215.0	0.000	872,502.0
		HVAC FAN VFD	EXIST	2005	OCT	UNIT	1	5,630	42,215.0	5,000	37,500.0
				2005	TOTAL	UNIT	1	5,630	42,215.0	5,000	37,500.0
				2006	JAN	UNIT	1	16,890	126,646.0	15,000	112,500.0
				2006	MAR	UNIT	1	3,940	29,551.0	3,500	26,250.0
				2006	APR	UNIT	1	11,260	84,431.0	10,000	75,000.0
				2006	TOTAL	UNIT	3	32,090	240,628.0	28,500	213,750.0
				MKT	TOTAL	UNIT	4	37,720	282,843.0	33,500	251,250.0
				EQUIP	TOTAL	UNIT	4	37,720	282,843.0	33,500	251,250.0
		WATER HEATER	EXIST	2006	FEB	UNIT	1	3,100	26,938.0	4,900	23,915.0
				2006	TOTAL	UNIT	1	3,100	26,938.0	4,900	23,915.0
				MKT	TOTAL	UNIT	1	3,100	26,938.0	4,900	23,915.0
				EQUIP	TOTAL	UNIT	1	3,100	26,938.0	4,900	23,915.0
		WINDOW FILM	EXIST	2005	DEC	UNIT	1	239	1,233.4	372	1,101.4
				2005	TOTAL	UNIT	1	239	1,233.4	372	1,101.4
				MKT	TOTAL	UNIT	1	239	1,233.4	372	1,101.4
				EQUIP	TOTAL	UNIT	1	239	1,233.4	372	1,101.4
				RATE	TOTAL	UNIT	10	429,820	3,157,036.0	307,378	2,804,395.6

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TAR	PGM	SCH	EQUIPMENT	MKT	YEAR	MONTH	UNIT	QUANTITY	SYSTEM LEVEL SAVINGS		CUSTOMER LEVEL SAVINGS	
									DEMAND (KW)	ENERGY (KWH)	DEMAND (KW)	ENERGY (KWH)
		PS	BOOSTER PUMP	EXIST	2005	DEC	UNIT	1	5.540	50,974.0	4.920	45,280.0
					2005	TOTAL	UNIT	1	5.540	50,974.0	4.920	45,280.0
					MKT	TOTAL	UNIT	1	5.540	50,974.0	4.920	45,280.0
					EQUIP	TOTAL	UNIT	1	5.540	50,974.0	4.920	45,280.0
			CFL SCREW IN (9 YEARS)	EXIST	2006	FEB	UNIT	1	35.070	192,197.2	31.153	170,728.8
					2006	TOTAL	UNIT	1	35.070	192,197.2	31.153	170,728.8
					MKT	TOTAL	UNIT	1	35.070	192,197.2	31.153	170,728.8
					EQUIP	TOTAL	UNIT	1	35.070	192,197.2	31.153	170,728.8
			HVAC PUMP VFD	EXIST	2005	DEC	UNIT	2	13.560	133,530.0	12.490	118,615.0
					2005	TOTAL	UNIT	2	13.560	133,530.0	12.490	118,615.0
					MKT	TOTAL	UNIT	2	13.560	133,530.0	12.490	118,615.0
					EQUIP	TOTAL	UNIT	2	13.560	133,530.0	12.490	118,615.0
			IMPROVEMENTS	EXIST	2005	DEC	UNIT	1	19.400	169,528.0	9.200	150,592.0
					2005	TOTAL	UNIT	1	19.400	169,528.0	9.200	150,592.0
					MKT	TOTAL	UNIT	1	19.400	169,528.0	9.200	150,592.0
					EQUIP	TOTAL	UNIT	1	19.400	169,528.0	9.200	150,592.0
			WINDOW FILM	EXIST	2006	FEB	UNIT	1	10.642	122,497.6	20.101	108,781.7
					2006	TOTAL	UNIT	1	10.642	122,497.6	20.101	108,781.7
					MKT	TOTAL	UNIT	1	10.642	122,497.6	20.101	108,781.7
					EQUIP	TOTAL	UNIT	1	10.642	122,497.6	20.101	108,781.7
					RATE	TOTAL	UNIT	6	84.212	668,726.8	77.864	593,997.5
			PS5 HVAC FAN VFD	EXIST	2005	DEC	UNIT	1	10.130	75,988.0	9.000	67,500.0
					2005	TOTAL	UNIT	1	10.130	75,988.0	9.000	67,500.0
					MKT	TOTAL	UNIT	1	10.130	75,988.0	9.000	67,500.0
					EQUIP	TOTAL	UNIT	1	10.130	75,988.0	9.000	67,500.0
			HVAC PUMP VFD	EXIST	2005	DEC	UNIT	1	27.020	232,694.0	24.000	260,000.0
					2005	TOTAL	UNIT	1	27.020	232,694.0	24.000	260,000.0
					MKT	TOTAL	UNIT	1	27.020	232,694.0	24.000	260,000.0
					EQUIP	TOTAL	UNIT	1	27.020	232,694.0	24.000	260,000.0
					RATE	TOTAL	UNIT	2	37.150	368,682.0	33.000	327,500.0
			PT1 HVAC FAN VFD	EXIST	2006	JAN	UNIT	1	3.710	27,862.0	3.300	24,750.0
					2006	FEB	UNIT	1	3.100	23,219.0	2.750	20,625.0
					2006	TOTAL	UNIT	2	6.810	51,081.0	6.050	45,375.0
					MKT	TOTAL	UNIT	2	6.810	51,081.0	6.050	45,375.0
					EQUIP	TOTAL	UNIT	2	6.810	51,081.0	6.050	45,375.0
					RATE	TOTAL	UNIT	2	6.810	51,081.0	6.050	45,375.0
			P3 WINDOW FILM	EXIST	2004	DEC	UNIT	1	.415	2,034.4	.435	1,806.8
					2004	TOTAL	UNIT	1	.415	2,034.4	.435	1,806.8
					MKT	TOTAL	UNIT	1	.415	2,034.4	.435	1,806.8
					EQUIP	TOTAL	UNIT	1	.415	2,034.4	.435	1,806.8
					RATE	TOTAL	UNIT	1	.415	2,034.4	.435	1,806.8
					PGM	TOTAL	UNIT	42	727.869	5,594,055.5	579.887	4,969,165.6
		CIEE G	LIGHTING FIXTURE	EXIST	2003	NOV	UNIT	94	1.316	9,738.4	2.256	8,657.4
					2003	TOTAL	UNIT	94	1.316	9,738.4	2.256	8,657.4
					2005	NOV	UNIT	24	.336	3,324.0	.672	2,954.4
					2005	DEC	UNIT	15	.345	2,835.0	.405	2,518.5
					2005	TOTAL	UNIT	39	.681	6,159.0	1.077	5,472.9
					2006	JAN	UNIT	41	.943	6,355.0	1.107	5,645.7
					2006	FEB	UNIT	31	.713	4,805.0	.837	4,268.7
					2006	MAR	UNIT	26	.598	4,030.0	.702	3,580.2
					2006	APR	UNIT	85	2.345	18,619.4	2.763	16,540.5
					2006	TOTAL	UNIT	183	4.599	33,809.4	5.409	30,035.1

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TAR	PGM	SCH	EQUIPMENT	MKT	YEAR	MONTH	UNIT	QUANTITY	SYSTEM LEVEL SAVINGS		CUSTOMER LEVEL SAVINGS	
									DEMAND (KW)	ENERGY (KWH)	DEMAND (KW)	ENERGY (KWH)
			METAL HALIDE FIXTURE	EXIST	2005	OCT	UNIT	13	1.651	9,145.5	.403	8,125.0
					2005	DEC	UNIT	287	36.449	201,904.5	8.897	179,375.0
					2005	TOTAL	UNIT	300	38.100	211,050.0	9.300	187,500.0
					2006	FEB	UNIT	225	42.075	237,915.0	8.325	211,342.5
					2006	TOTAL	UNIT	225	42.075	237,915.0	8.325	211,342.5
				MKT	TOTAL	UNIT		525	80.175	448,965.0	17.625	398,842.5
				EQUIP	TOTAL	UNIT		525	80.175	448,965.0	17.625	398,842.5
			OCCUPANCY SENSOR	EXIST	2005	DEC	UNIT	17	.119	649.4	.153	578.0
					2005	TOTAL	UNIT	17	.119	649.4	.153	578.0
					2006	JAN	UNIT	60	.420	2,292.0	.540	2,040.0
					2006	TOTAL	UNIT	60	.420	2,292.0	.540	2,040.0
				MKT	TOTAL	UNIT		77	.539	2,941.4	.693	2,618.0
				EQUIP	TOTAL	UNIT		77	.539	2,941.4	.693	2,618.0
			INDUSTRIAL MOTOR/PROC	EXIST	2005	OCT	HP	110	.660	4,961.0	.770	4,411.0
					2005	TOTAL	HP	110	.660	4,961.0	.770	4,411.0
					2006	FEB	HP	50	.300	2,255.0	.350	2,005.0
					2006	TOTAL	HP	50	.300	2,255.0	.350	2,005.0
				MKT	TOTAL	HP		160	.960	7,216.0	1.120	6,416.0
				EQUIP	TOTAL	HP		160	.960	7,216.0	1.120	6,416.0
			INDUSTRIAL MOTOR/PUMP	EXIST	2005	DEC	HP	10	.060	451.0	.070	401.0
					2005	TOTAL	HP	10	.060	451.0	.070	401.0
					2006	JAN	HP	10	.060	451.0	.070	401.0
					2006	TOTAL	HP	10	.060	451.0	.070	401.0
				MKT	TOTAL	HP		20	.120	902.0	.140	802.0
				EQUIP	TOTAL	HP		20	.120	902.0	.140	802.0
			VENTILATING MOTOR	EXIST	2005	DEC	HP	10	.060	451.0	.070	401.0
					2005	TOTAL	HP	10	.060	451.0	.070	401.0
					2006	MAR	HP	7	.045	338.2	.052	300.7
					2006	TOTAL	HP	7	.045	338.2	.052	300.7
				MKT	TOTAL	HP		17	.105	789.2	.122	701.7
				EQUIP	TOTAL	HP		17	.105	789.2	.122	701.7
			AIR CONDITIONER	EXIST	2005	OCT	TONS	38	6.384	27,455.0	7.106	24,388.4
					2005	NOV	TONS	18	3.024	13,005.0	3.366	11,552.4
					2005	DEC	TONS	70	12.040	51,436.0	12.950	45,696.0
					2005	TOTAL	TONS	126	21.448	91,896.0	23.422	81,636.8
					2006	MAY	TONS	25	4.200	18,062.5	4.675	16,045.0
					2006	TOTAL	TONS	25	4.200	18,062.5	4.675	16,045.0
				MKT	TOTAL	TONS		151	25.648	109,958.5	28.097	97,681.8
				EQUIP	TOTAL	TONS		151	25.648	109,958.5	28.097	97,681.8
				RATE	TOTAL	TONS		3,991	154.350	951,406.8	128.143	845,372.7
			J3 LIGHTING FIXTURE	EXIST	2005	DEC	UNIT	33	.759	5,115.0	.891	4,544.1
					2005	TOTAL	UNIT	33	.759	5,115.0	.891	4,544.1
				MKT	TOTAL	UNIT		33	.759	5,115.0	.891	4,544.1
				EQUIP	TOTAL	UNIT		33	.759	5,115.0	.891	4,544.1
			INDUSTRIAL MOTOR/PUMP	EXIST	2006	FEB	HP	5	.030	225.5	.035	200.5
					2006	TOTAL	HP	5	.030	225.5	.035	200.5
				MKT	TOTAL	HP		5	.030	225.5	.035	200.5
				EQUIP	TOTAL	HP		5	.030	225.5	.035	200.5
				RATE	TOTAL	HP		38	.789	5,340.5	.926	4,744.6
			J4 HIGH EFF CHILLER	EXIST	2005	DEC	TONS	567	52.164	541,768.5	108.297	481,269.6
					2005	TOTAL	TONS	567	52.164	541,768.5	108.297	481,269.6
				MKT	TOTAL	TONS		567	52.164	541,768.5	108.297	481,269.6
				EQUIP	TOTAL	TONS		567	52.164	541,768.5	108.297	481,269.6

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TAR	PGM	SCH	EQUIPMENT	MKT	YEAR	MONTH	UNIT	QUANTITY	SYSTEM LEVEL SAVINGS		CUSTOMER LEVEL SAVINGS	
									DEMAND (KW)	ENERGY (KWH)	DEMAND (KW)	ENERGY (KWH)
					RATE	TOTAL	TONS	567	52.164	541,768.5	108.297	481,269.6
		J5	VENTILATING MOTOR	EXIST	2006	APR	HP	100	.600	4,510.0	.700	4,010.0
					2006	TOTAL	HP	100	.600	4,510.0	.700	4,010.0
					MKT	TOTAL	HP	100	.600	4,510.0	.700	4,010.0
					EQUIP	TOTAL	HP	100	.600	4,510.0	.700	4,010.0
					RATE	TOTAL	HP	100	.600	4,510.0	.700	4,010.0
		PP3	LIGHTING FIXTURE	EXIST	2005	NOV	UNIT	350	3.150	31,465.0	8.050	27,965.0
					2005	TOTAL	UNIT	350	3.150	31,465.0	8.050	27,965.0
					2006	FEB	UNIT	428	3.852	38,477.2	9.844	34,197.2
					2006	APR	UNIT	2,247	35.319	276,075.3	59.505	245,387.1
					2006	TOTAL	UNIT	2,675	39.171	314,552.5	69.349	279,584.3
					MKT	TOTAL	UNIT	3,025	42.321	346,017.5	77.399	307,549.3
					EQUIP	TOTAL	UNIT	3,025	42.321	346,017.5	77.399	307,549.3
		METAL	HALIDE FIXTURE	EXIST	2005	NOV	UNIT	130	14.950	106,691.0	2.990	94,783.0
					2005	TOTAL	UNIT	130	14.950	106,691.0	2.990	94,783.0
					MKT	TOTAL	UNIT	130	14.950	106,691.0	2.990	94,783.0
					EQUIP	TOTAL	UNIT	130	14.950	106,691.0	2.990	94,783.0
		OCCUPANCY	SENSOR	EXIST	2005	DEC	UNIT	589	6.479	44,410.6	7.657	39,463.0
					2005	TOTAL	UNIT	589	6.479	44,410.6	7.657	39,463.0
					2006	FEB	UNIT	52	.572	3,920.8	.676	3,484.0
					2006	TOTAL	UNIT	52	.572	3,920.8	.676	3,484.0
					MKT	TOTAL	UNIT	641	7.051	48,331.4	8.333	42,947.0
					EQUIP	TOTAL	UNIT	641	7.051	48,331.4	8.333	42,947.0
		INDUSTRIAL	MOTOR/PROC	EXIST	2006	JAN	HP	75	.450	3,382.5	.525	3,007.5
					2006	MAR	HP	1,250	7.500	56,375.0	8.750	50,125.0
					2006	TOTAL	HP	1,325	7.950	59,757.5	9.275	53,132.5
					MKT	TOTAL	HP	1,325	7.950	59,757.5	9.275	53,132.5
					EQUIP	TOTAL	HP	1,325	7.950	59,757.5	9.275	53,132.5
		INDUSTRIAL	MOTOR/PUMP	EXIST	2006	JAN	HP	125	.750	5,637.5	.875	5,012.5
					2006	FEB	HP	5	.030	225.5	.035	200.5
					2006	TOTAL	HP	130	.780	5,863.0	.910	5,213.0
					MKT	TOTAL	HP	130	.780	5,863.0	.910	5,213.0
					EQUIP	TOTAL	HP	130	.780	5,863.0	.910	5,213.0
		VENTILATING	MOTOR	EXIST	2004	OCT	HP	20	.120	902.0	.140	802.0
					2004	TOTAL	HP	20	.120	902.0	.140	802.0
					2006	JAN	HP	150	.900	6,765.0	1.050	6,015.0
					2006	MAR	HP	39	.234	1,758.9	.273	1,563.9
					2006	APR	HP	123	.744	5,592.3	.867	4,972.3
					2006	TOTAL	HP	312	1.878	14,116.2	2.190	12,551.2
					MKT	TOTAL	HP	332	1.998	15,018.2	2.330	13,353.2
					EQUIP	TOTAL	HP	332	1.998	15,018.2	2.330	13,353.2
		AIR	CONDITIONER	EXIST	2003	DEC	TONS	10	1.600	7,873.0	1.620	6,994.0
					2003	TOTAL	TONS	10	1.600	7,873.0	1.620	6,994.0
					MKT	TOTAL	TONS	10	1.600	7,873.0	1.620	6,994.0
					EQUIP	TOTAL	TONS	10	1.600	7,873.0	1.620	6,994.0
					RATE	TOTAL	TONS	5,593	76.650	589,551.6	102.857	523,972.0
		PS	LIGHTING FIXTURE	EXIST	2005	NOV	UNIT	756	17.388	117,180.0	20.412	104,101.2
					2005	DEC	UNIT	74	1.036	7,666.4	1.776	6,815.4
					2005	TOTAL	UNIT	830	18.424	124,846.4	22.188	110,916.6
					2006	MAR	UNIT	522	7.308	62,744.4	8.874	55,749.6
					2006	TOTAL	UNIT	522	7.308	62,744.4	8.874	55,749.6
					MKT	TOTAL	UNIT	1,352	25.732	187,590.8	31.062	166,666.2
					EQUIP	TOTAL	UNIT	1,352	25.732	187,590.8	31.062	166,666.2

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TAR	PGM	SCH	EQUIPMENT	MKT	YEAR	MONTH	UNIT	QUANTITY	SYSTEM LEVEL SAVINGS		CUSTOMER LEVEL SAVINGS	
									DEMAND (KW)	ENERGY (KWH)	DEMAND (KW)	ENERGY (KWH)
			OCCUPANCY SENSOR	EXIST	2006	FEB	UNIT	51	1.122	7,690.8	1.326	6,834.0
					2006	TOTAL	UNIT	51	1.122	7,690.8	1.326	6,834.0
				MKT	2006	TOTAL	UNIT	51	1.122	7,690.8	1.326	6,834.0
				EQUIP	2006	TOTAL	UNIT	51	1.122	7,690.8	1.326	6,834.0
			INDUSTRIAL MOTOR/PUMP	EXIST	2005	DEC	HP	45	.270	2,029.5	.315	1,804.5
					2005	TOTAL	HP	45	.270	2,029.5	.315	1,804.5
					2006	MAR	HP	250	1.500	11,275.0	1.750	10,025.0
					2006	TOTAL	HP	250	1.500	11,275.0	1.750	10,025.0
				MKT	2006	TOTAL	HP	295	1.770	13,304.5	2.065	11,829.5
				EQUIP	2006	TOTAL	HP	295	1.770	13,304.5	2.065	11,829.5
			HIGH EFF CHILLER	EXIST	2005	DEC	TONS	320	29.120	372,384.0	68.800	330,816.0
					2005	TOTAL	TONS	320	29.120	372,384.0	68.800	330,816.0
				MKT	2005	TOTAL	TONS	320	29.120	372,384.0	68.800	330,816.0
				EQUIP	2005	TOTAL	TONS	320	29.120	372,384.0	68.800	330,816.0
				RATE	2005	TOTAL	TONS	2,018	57.744	580,970.1	103.253	516,145.7
			PT1 LIGHTING FIXTURE	EXIST	2005	FEB	UNIT	413	5.782	42,786.8	9.912	38,037.3
					2005	OCT	UNIT	100	1.400	10,360.0	2.400	9,210.0
					2005	NOV	UNIT	270	3.780	27,972.0	6.480	24,867.0
					2005	TOTAL	UNIT	783	10.962	81,118.8	18.792	72,114.3
					2006	JAN	UNIT	1,133	15.862	117,378.8	27.192	104,349.3
					2006	TOTAL	UNIT	1,133	15.862	117,378.8	27.192	104,349.3
				MKT	2006	TOTAL	UNIT	1,916	26.824	198,497.6	45.984	176,463.6
				EQUIP	2006	TOTAL	UNIT	1,916	26.824	198,497.6	45.984	176,463.6
			METAL HALIDE FIXTURE	EXIST	2006	JAN	UNIT	256	32.512	180,096.0	7.936	160,000.0
					2006	TOTAL	UNIT	256	32.512	180,096.0	7.936	160,000.0
				MKT	2006	TOTAL	UNIT	256	32.512	180,096.0	7.936	160,000.0
				EQUIP	2006	TOTAL	UNIT	256	32.512	180,096.0	7.936	160,000.0
			OCCUPANCY SENSOR	EXIST	2005	FEB	UNIT	62	.756	4,125.6	.972	3,672.0
					2005	TOTAL	UNIT	62	.756	4,125.6	.972	3,672.0
				MKT	2005	TOTAL	UNIT	62	.756	4,125.6	.972	3,672.0
				EQUIP	2005	TOTAL	UNIT	62	.756	4,125.6	.972	3,672.0
			INDUSTRIAL MOTOR/PUMP	EXIST	2006	JAN	HP	40	.240	1,804.0	.280	1,604.0
					2006	TOTAL	HP	40	.240	1,804.0	.280	1,604.0
				MKT	2006	TOTAL	HP	40	.240	1,804.0	.280	1,604.0
				EQUIP	2006	TOTAL	HP	40	.240	1,804.0	.280	1,604.0
				RATE	2006	TOTAL	HP	2,274	60.332	384,523.2	55.172	341,739.6
				PGM	2006	TOTAL	HP	15,132	416.863	3,156,752.1	517.446	2,804,935.7
			CINC G LIGHTING FIXTURE	NEW	2005	DEC	UNIT	380	4.180	26,068.0	4.560	23,180.0
					2005	TOTAL	UNIT	380	4.180	26,068.0	4.560	23,180.0
				MKT	2005	TOTAL	UNIT	380	4.180	26,068.0	4.560	23,180.0
				EQUIP	2005	TOTAL	UNIT	380	4.180	26,068.0	4.560	23,180.0
			METAL HALIDE FIXTURE	NEW	2005	DEC	UNIT	139	23.769	133,287.1	10.147	118,400.2
					2005	TOTAL	UNIT	139	23.769	133,287.1	10.147	118,400.2
				MKT	2005	TOTAL	UNIT	139	23.769	133,287.1	10.147	118,400.2
				EQUIP	2005	TOTAL	UNIT	139	23.769	133,287.1	10.147	118,400.2
			HPS HID FIXTURE	NEW	2005	DEC	UNIT	205	47.150	267,832.5	20.500	237,923.0
					2005	TOTAL	UNIT	205	47.150	267,832.5	20.500	237,923.0
				MKT	2005	TOTAL	UNIT	205	47.150	267,832.5	20.500	237,923.0
				EQUIP	2005	TOTAL	UNIT	205	47.150	267,832.5	20.500	237,923.0
			INDUSTRIAL MOTOR/PUMP	NEW	2005	DEC	HP	150	.900	6,765.0	1.050	6,015.0
					2005	TOTAL	HP	150	.900	6,765.0	1.050	6,015.0
				MKT	2005	TOTAL	HP	150	.900	6,765.0	1.050	6,015.0

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TAR	PGM	SCH	EQUIPMENT	MKT	YEAR	MONTH	UNIT	QUANTITY	SYSTEM LEVEL SAVINGS		CUSTOMER LEVEL SAVINGS	
									DEMAND (KW)	ENERGY (KWH)	DEMAND (KW)	ENERGY (KWH)
							EQUIP TOTAL HP	150	.900	6,765.0	1,050	6,015.0
							2006 JAN TONS	450	44.550	305,820.0	79,200	271,665.0
			HIGH EFF CHILLER	NEW	2006		TOTAL TONS	450	44.550	305,820.0	79,200	271,665.0
							MKT TOTAL TONS	450	44.550	305,820.0	79,200	271,665.0
							EQUIP TOTAL TONS	450	44.550	305,820.0	79,200	271,665.0
							RATE TOTAL TONS	1,324	120.549	739,772.6	115,457	657,183.2
							2006 APR UNIT	1	2.745	15,043.6	2,438	13,363.2
							2006 TOTAL UNIT	1	2.745	15,043.6	2,438	13,363.2
							MKT TOTAL UNIT	1	2.745	15,043.6	2,438	13,363.2
							EQUIP TOTAL UNIT	1	2.745	15,043.6	2,438	13,363.2
							2005 AUG UNIT	1	2.560	4,222.0	3,500	3,750.0
							2005 DEC UNIT	1	2.250	16,886.0	2,000	15,000.0
							2005 TOTAL UNIT	2	2.810	21,108.0	2,500	18,750.0
							MKT TOTAL UNIT	2	2.810	21,108.0	2,500	18,750.0
							EQUIP TOTAL UNIT	2	2.810	21,108.0	2,500	18,750.0
							2005 DEC UNIT	1	2.700	29,269.0	2,400	26,000.0
							2005 TOTAL UNIT	1	2.700	29,269.0	2,400	26,000.0
							MKT TOTAL UNIT	1	2.700	29,269.0	2,400	26,000.0
							EQUIP TOTAL UNIT	1	2.700	29,269.0	2,400	26,000.0
							2005 AUG UNIT	313	1.565	18,592.2	3,756	16,526.4
							2005 OCT UNIT	518	5.723	35,825.3	6,231	31,856.0
							2005 NOV UNIT	1,148	12.628	78,752.8	13,776	70,028.0
							2005 DEC UNIT	2,794	30.734	191,668.4	33,528	170,434.0
							2005 TOTAL UNIT	4,773	50.650	324,838.7	57,291	288,844.4
							2006 FEB UNIT	374	4.114	34,034.0	5,610	30,256.6
							2006 MAR UNIT	1,000	11.000	68,600.0	12,000	61,000.0
							2006 TOTAL UNIT	1,374	15.114	102,634.0	17,610	91,256.6
							2006 TOTAL UNIT	1,374	15.114	102,634.0	17,610	91,256.6
							MKT TOTAL UNIT	6,147	65.764	427,472.7	74,901	380,101.0
							EQUIP TOTAL UNIT	6,147	65.764	427,472.7	74,901	380,101.0
							2005 DEC UNIT	48	8.208	46,027.2	3,504	40,886.4
							2005 TOTAL UNIT	48	8.208	46,027.2	3,504	40,886.4
							2006 MAR UNIT	500	85.500	479,450.0	36,500	425,900.0
							2006 APR UNIT	22	2.706	26,276.8	1,782	23,342.0
							2006 TOTAL UNIT	522	88.206	505,726.8	38,282	449,242.0
							MKT TOTAL UNIT	570	96.414	551,754.0	41,786	490,128.4
							EQUIP TOTAL UNIT	570	96.414	551,754.0	41,786	490,128.4
							2005 NOV UNIT	72	16.560	94,068.0	7,200	83,563.2
							2005 DEC UNIT	24	5.520	31,356.0	2,400	27,854.4
							2005 TOTAL UNIT	96	22.080	125,424.0	9,600	111,417.6
							MKT TOTAL UNIT	96	22.080	125,424.0	9,600	111,417.6
							EQUIP TOTAL UNIT	96	22.080	125,424.0	9,600	111,417.6
							2005 DEC UNIT	138	.860	5,740.5	2,795	5,117.0
							2005 TOTAL UNIT	138	.860	5,740.5	2,795	5,117.0
							2006 MAR UNIT	9	.108	720.9	.351	642.6
							2006 TOTAL UNIT	9	.108	720.9	.351	642.6
							MKT TOTAL UNIT	147	.968	6,461.4	3,146	5,759.6
							EQUIP TOTAL UNIT	147	.968	6,461.4	3,146	5,759.6
							2005 AUG HP	7	.045	338.2	.052	300.7
							2005 DEC HP	375	2.253	16,935.0	2,628	15,057.5
							2005 TOTAL HP	382	2.298	17,273.2	2,680	15,358.2
							2006 MAR HP	200	1.200	9,020.0	1,400	8,020.0
							2006 TOTAL HP	200	1.200	9,020.0	1,400	8,020.0
							MKT TOTAL HP	582	3.498	26,293.2	4,080	23,378.2
			INDUSTRIAL MOTOR/PUMP	NEW	2005		AUG HP	7	.045	338.2	.052	300.7
							2005 DEC HP	375	2.253	16,935.0	2,628	15,057.5
							2005 TOTAL HP	382	2.298	17,273.2	2,680	15,358.2
							2006 MAR HP	200	1.200	9,020.0	1,400	8,020.0
							2006 TOTAL HP	200	1.200	9,020.0	1,400	8,020.0
							MKT TOTAL HP	582	3.498	26,293.2	4,080	23,378.2

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TAR	PGM	SCH	EQUIPMENT	MKT	YEAR	MONTH	UNIT	QUANTITY	SYSTEM LEVEL SAVINGS		CUSTOMER LEVEL SAVINGS	
									DEMAND (KW)	ENERGY (KWH)	DEMAND (KW)	ENERGY (KWH)
			VENTILATING MOTOR	NEW	EQUIP	TOTAL	HP	582	3,498	26,293.2	4,080	23,378.2
					2005	DEC	HP	85	.510	3,833.5	.595	3,408.5
					2005	TOTAL	HP	85	.510	3,833.5	.595	3,408.5
					2006	MAR	HP	395	2,370	17,814.5	2,765	15,839.5
					2006	TOTAL	HP	395	2,370	17,814.5	2,765	15,839.5
					MKT	TOTAL	HP	480	2,880	21,648.0	3,360	19,248.0
					EQUIP	TOTAL	HP	480	2,880	21,648.0	3,360	19,248.0
			AIR CONDITIONER	NEW	2005	NOV	TONS	5	.455	2,492.0	.635	2,214.0
					2005	DEC	TONS	265	23,479	130,274.0	33,655	115,730.8
					2005	TOTAL	TONS	270	23,934	132,766.0	34,290	117,944.8
					2006	MAR	TONS	981	89,271	488,930.4	124,587	434,386.8
					2006	TOTAL	TONS	981	89,271	488,930.4	124,587	434,386.8
					MKT	TOTAL	TONS	1,251	113,205	621,696.4	158,877	552,331.6
					EQUIP	TOTAL	TONS	1,251	113,205	621,696.4	158,877	552,331.6
			HIGH EFF CHILLER	NEW	2005	OCT	TONS	52	5,148	35,339.2	9,152	31,392.4
					2005	TOTAL	TONS	52	5,148	35,339.2	9,152	31,392.4
					MKT	TOTAL	TONS	52	5,148	35,339.2	9,152	31,392.4
					EQUIP	TOTAL	TONS	52	5,148	35,339.2	9,152	31,392.4
					RATE	TOTAL	TONS	9,329	318,212	1,881,509.5	312,240	1,671,870.0
			PP3 CFL PIN (15 YEARS)	NEW	2004	JAN	UNIT	1	5,862	32,124.3	5,207	28,536.0
					2004	DEC	UNIT	1	39,517	216,564.7	35,103	192,374.4
					2004	TOTAL	UNIT	2	45,379	248,689.0	40,310	220,910.4
					2005	APR	UNIT	1	1,601	8,775.4	1,422	7,795.2
					2005	TOTAL	UNIT	1	1,601	8,775.4	1,422	7,795.2
					MKT	TOTAL	UNIT	3	46,980	257,464.4	41,732	228,705.6
					EQUIP	TOTAL	UNIT	3	46,980	257,464.4	41,732	228,705.6
			CFL SCREW IN (9 YEARS)	NEW	2006	MAR	UNIT	1	11,323	62,054.7	10,058	55,123.2
					2006	TOTAL	UNIT	1	11,323	62,054.7	10,058	55,123.2
					MKT	TOTAL	UNIT	1	11,323	62,054.7	10,058	55,123.2
					EQUIP	TOTAL	UNIT	1	11,323	62,054.7	10,058	55,123.2
			HVAC FAN VFD	NEW	2005	APR	UNIT	1	5,630	42,215.0	5,000	37,500.0
					2005	TOTAL	UNIT	1	5,630	42,215.0	5,000	37,500.0
					2006	FEB	UNIT	1	2,810	21,108.0	2,500	18,750.0
					2006	TOTAL	UNIT	1	2,810	21,108.0	2,500	18,750.0
					MKT	TOTAL	UNIT	2	8,440	63,323.0	7,500	56,250.0
					EQUIP	TOTAL	UNIT	2	8,440	63,323.0	7,500	56,250.0
			JOCKEY A/C SYSTEM	NEW	2005	NOV	UNIT	1	2,100	12,369.0	2,200	10,987.0
					2005	TOTAL	UNIT	1	2,100	12,369.0	2,200	10,987.0
					MKT	TOTAL	UNIT	1	2,100	12,369.0	2,200	10,987.0
					EQUIP	TOTAL	UNIT	1	2,100	12,369.0	2,200	10,987.0
			LIGHTING FIXTURE	NEW	2004	JAN	UNIT	419	4,609	28,743.4	5,028	25,559.0
					2004	FEB	UNIT	45	.495	3,087.0	.540	2,745.0
					2004	DEC	UNIT	603	6,633	41,365.8	7,236	36,783.0
					2004	TOTAL	UNIT	1,067	11,737	73,196.2	12,804	65,087.0
					2005	APR	UNIT	388	4,268	26,616.8	4,656	23,668.0
					2005	JUN	UNIT	65	.715	4,459.0	.780	3,965.0
					2005	TOTAL	UNIT	453	4,983	31,075.8	5,436	27,633.0
					2006	JAN	UNIT	119	1,904	12,257.0	1,666	10,888.5
					2006	MAR	UNIT	156	1,716	10,701.6	1,872	9,516.0
					2006	TOTAL	UNIT	275	3,620	22,958.6	3,538	20,404.5
					MKT	TOTAL	UNIT	1,795	20,340	127,230.6	21,778	113,124.5
					EQUIP	TOTAL	UNIT	1,795	20,340	127,230.6	21,778	113,124.5
			OCCUPANCY SENSOR	NEW	2004	FEB	UNIT	9	.036	240.3	.117	214.2

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TAR	PGM	SCH	EQUIPMENT	MKT	YEAR	MONTH	UNIT	QUANTITY	SYSTEM LEVEL SAVINGS		CUSTOMER LEVEL SAVINGS	
									DEMAND (KW)	ENERGY (KWH)	DEMAND (KW)	ENERGY (KWH)
					2004	DEC	UNIT	204	.816	5,446.8	2,652	4,855.2
					2004	TOTAL	UNIT	213	.852	5,687.1	2,769	5,069.4
					2005	AUG	UNIT	80	.640	4,272.0	2,080	3,808.0
					2005	TOTAL	UNIT	80	.640	4,272.0	2,080	3,808.0
					MKT	TOTAL	UNIT	293	1.492	9,959.1	4,849	8,877.4
					EQUIP	TOTAL	UNIT	293	1.492	9,959.1	4,849	8,877.4
			INDUSTRIAL MOTOR/PROC	NEW	2005	OCT	HP	5	.030	225.5	.035	200.5
					2005	TOTAL	HP	5	.030	225.5	.035	200.5
					MKT	TOTAL	HP	5	.030	225.5	.035	200.5
					EQUIP	TOTAL	HP	5	.030	225.5	.035	200.5
			INDUSTRIAL MOTOR/PUMP	NEW	2004	DEC	HP	25	.150	1,127.5	.175	1,002.5
					2004	TOTAL	HP	25	.150	1,127.5	.175	1,002.5
					2006	FEB	HP	20	.120	902.0	.140	802.0
					2006	TOTAL	HP	20	.120	902.0	.140	802.0
					MKT	TOTAL	HP	45	.270	2,029.5	.315	1,804.5
					EQUIP	TOTAL	HP	45	.270	2,029.5	.315	1,804.5
			VENTILATING MOTOR	NEW	2004	DEC	HP	50	.300	2,255.0	.350	2,005.0
					2004	TOTAL	HP	50	.300	2,255.0	.350	2,005.0
					2006	FEB	HP	25	.150	1,127.5	.175	1,002.5
					2006	TOTAL	HP	25	.150	1,127.5	.175	1,002.5
					MKT	TOTAL	HP	75	.450	3,382.5	.525	3,007.5
					EQUIP	TOTAL	HP	75	.450	3,382.5	.525	3,007.5
			AIR CONDITIONER	NEW	2006	JAN	TONS	25	2.200	12,247.5	3.175	10,880.0
					2006	MAR	TONS	72	6.552	35,884.8	9.144	31,881.6
					2006	TOTAL	TONS	97	8.752	48,132.3	12.319	42,761.6
					MKT	TOTAL	TONS	97	8.752	48,132.3	12.319	42,761.6
					EQUIP	TOTAL	TONS	97	8.752	48,132.3	12.319	42,761.6
					RATE	TOTAL	TONS	2,317	100.177	586,170.6	101.311	520,841.8
			PS5 LIGHTING FIXTURE	NEW	2005	DEC	UNIT	152	2.432	15,656.0	2.128	13,908.0
					2005	TOTAL	UNIT	152	2.432	15,656.0	2.128	13,908.0
					MKT	TOTAL	UNIT	152	2.432	15,656.0	2.128	13,908.0
					EQUIP	TOTAL	UNIT	152	2.432	15,656.0	2.128	13,908.0
					RATE	TOTAL	UNIT	152	2.432	15,656.0	2.128	13,908.0
			PT1 HVAC FAN VFD	NEW	2005	DEC	UNIT	1	10.980	82,320.0	9.750	73,125.0
					2005	TOTAL	UNIT	1	10.980	82,320.0	9.750	73,125.0
					2006	APR	UNIT	2	26.180	196,302.0	23.250	174,375.0
					2006	TOTAL	UNIT	2	26.180	196,302.0	23.250	174,375.0
					MKT	TOTAL	UNIT	3	37.160	278,622.0	33.000	247,500.0
					EQUIP	TOTAL	UNIT	3	37.160	278,622.0	33.000	247,500.0
			HVAC PUMP VFD	NEW	2006	APR	UNIT	1	8.110	87,808.0	7.200	78,000.0
					2006	TOTAL	UNIT	1	8.110	87,808.0	7.200	78,000.0
					MKT	TOTAL	UNIT	1	8.110	87,808.0	7.200	78,000.0
					EQUIP	TOTAL	UNIT	1	8.110	87,808.0	7.200	78,000.0
			LIGHTING FIXTURE	NEW	2006	FEB	UNIT	1,396	15.356	95,765.6	16.752	85,156.0
					2006	APR	UNIT	1,600	17.600	109,760.0	19.200	97,600.0
					2006	TOTAL	UNIT	2,996	32.956	205,525.6	35.952	182,756.0
					MKT	TOTAL	UNIT	2,996	32.956	205,525.6	35.952	182,756.0
					EQUIP	TOTAL	UNIT	2,996	32.956	205,525.6	35.952	182,756.0
			OCCUPANCY SENSOR	NEW	2006	APR	UNIT	56	.908	6,060.9	2.951	5,402.6
					2006	TOTAL	UNIT	56	.908	6,060.9	2.951	5,402.6
					MKT	TOTAL	UNIT	56	.908	6,060.9	2.951	5,402.6
					EQUIP	TOTAL	UNIT	56	.908	6,060.9	2.951	5,402.6
			HIGH EFF CHILLER	NEW	2006	APR	TONS	520	51.480	353,392.0	91.520	313,924.0

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TAR	PGM	SCH	EQUIPMENT	MKT	YEAR	MONTH	UNIT	QUANTITY	SYSTEM LEVEL SAVINGS		CUSTOMER LEVEL SAVINGS	
									DEMAND (KW)	ENERGY (KWH)	DEMAND (KW)	ENERGY (KWH)
					2006	TOTAL	TONS	520	51.480	353,392.0	91.520	313,924.0
					MKT	TOTAL	TONS	520	51.480	353,392.0	91.520	313,924.0
					EQUIP	TOTAL	TONS	520	51.480	353,392.0	91.520	313,924.0
					RATE	TOTAL	TONS	3,576	130.614	931,408.5	170.623	827,582.6
					PGM	TOTAL	TONS	16,698	671.984	4,154,517.2	701.759	3,691,385.6
					2006	FEB	UNIT	1	.680	.0	.604	.0
					2006	MAR	UNIT	1	.680	.0	.604	.0
					2006	APR	UNIT	3	2.040	.0	1.812	.0
					2006	MAY	UNIT	3	2.040	.0	1.812	.0
					2006	TOTAL	UNIT	8	5.440	.0	4.832	.0
					MKT	TOTAL	UNIT	8	5.440	.0	4.832	.0
					EQUIP	TOTAL	UNIT	8	5.440	.0	4.832	.0
					RATE	TOTAL	UNIT	8	5.440	.0	4.832	.0
					2006	APR	UNIT	1	.680	.0	.604	.0
					2006	MAY	UNIT	1	.680	.0	.604	.0
					2006	TOTAL	UNIT	2	1.360	.0	1.208	.0
					MKT	TOTAL	UNIT	2	1.360	.0	1.208	.0
					EQUIP	TOTAL	UNIT	2	1.360	.0	1.208	.0
					RATE	TOTAL	UNIT	2	1.360	.0	1.208	.0
					2006	JAN	UNIT	278	189.040	.0	167.912	.0
					2006	FEB	UNIT	557	378.760	.0	336.428	.0
					2006	MAR	UNIT	744	505.920	.0	449.376	.0
					2006	APR	UNIT	583	396.440	.0	352.132	.0
					2006	MAY	UNIT	182	123.760	.0	109.928	.0
					2006	TOTAL	UNIT	2,344	1,593.920	.0	1,415.776	.0
					MKT	TOTAL	UNIT	2,344	1,593.920	.0	1,415.776	.0
					EQUIP	TOTAL	UNIT	2,344	1,593.920	.0	1,415.776	.0
					RATE	TOTAL	UNIT	2,344	1,593.920	.0	1,415.776	.0
					2006	JAN	UNIT	1	.680	.0	.604	.0
					2006	MAR	UNIT	1	.680	.0	.604	.0
					2006	APR	UNIT	3	2.040	.0	1.812	.0
					2006	MAY	UNIT	1	.680	.0	.604	.0
					2006	TOTAL	UNIT	6	4.080	.0	3.624	.0
					MKT	TOTAL	UNIT	6	4.080	.0	3.624	.0
					EQUIP	TOTAL	UNIT	6	4.080	.0	3.624	.0
					RATE	TOTAL	UNIT	6	4.080	.0	3.624	.0
					PGM	TOTAL	UNIT	2,360	1,604.800	.0	1,425.440	.0
					2005	NOV	UNIT	1	.574	2,530.6	.510	2,248.0
					2005	TOTAL	UNIT	1	.574	2,530.6	.510	2,248.0
					2006	JAN	UNIT	10	5.740	25,306.0	5.100	22,480.0
					2006	FEB	UNIT	4	2.296	10,122.4	2.040	8,992.0
					2006	MAR	UNIT	1	.574	2,530.6	.510	2,248.0
					2006	APR	UNIT	6	3.444	15,183.6	3.060	13,488.0
					2006	MAY	UNIT	7	4.018	17,714.2	3.570	15,736.0
					2006	TOTAL	UNIT	28	16.072	70,856.8	14.280	62,944.0
					MKT	TOTAL	UNIT	29	16.646	73,387.4	14.790	65,192.0
					EQUIP	TOTAL	UNIT	29	16.646	73,387.4	14.790	65,192.0
					RATE	TOTAL	UNIT	29	16.646	73,387.4	14.790	65,192.0
					2005	DEC	UNIT	12	6.888	30,367.2	6.120	26,976.0
					2005	TOTAL	UNIT	12	6.888	30,367.2	6.120	26,976.0
					2006	JAN	UNIT	19	10.906	48,081.4	9.690	42,712.0

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TAR PGM	SCH	EQUIPMENT	MKT	YEAR	MONTH	UNIT	QUANTITY	SYSTEM LEVEL SAVINGS DEMAND (KW)	SYSTEM LEVEL SAVINGS ENERGY (KWH)	CUSTOMER LEVEL SAVINGS DEMAND (KW)	CUSTOMER LEVEL SAVINGS ENERGY (KWH)
				2006	FEB	UNIT	7	4.018	17,714.2	3.570	15,736.0
				2006	APR	UNIT	14	8.036	35,428.4	7.140	31,472.0
				2006	TOTAL	UNIT	40	22.960	101,524.0	20.400	89,920.0
				2006	MKT	UNIT	52	29.848	131,591.2	26.520	116,896.0
				2006	EQUIP	UNIT	52	29.848	131,591.2	26.520	116,896.0
				2006	RATE	UNIT	52	29.848	131,591.2	26.520	116,896.0
				2005	TOTAL	UNIT	33	1.722	7,291.8	1.530	6,744.0
				2005	SEP	UNIT	3	1.574	7,291.8	1.530	6,744.0
				2005	TOTAL	UNIT	33	1.722	7,291.8	1.530	6,744.0
				2006	JAN	UNIT	14	8.036	35,428.4	7.140	31,472.0
				2006	MAR	UNIT	14	8.036	35,428.4	7.140	31,472.0
				2006	APR	UNIT	14	8.036	35,428.4	7.140	31,472.0
				2006	MAY	UNIT	14	8.036	35,428.4	7.140	31,472.0
				2006	JUN	UNIT	14	8.036	35,428.4	7.140	31,472.0
				2006	JUL	UNIT	14	8.036	35,428.4	7.140	31,472.0
				2006	AUG	UNIT	14	8.036	35,428.4	7.140	31,472.0
				2006	SEP	UNIT	14	8.036	35,428.4	7.140	31,472.0
				2006	OCT	UNIT	14	8.036	35,428.4	7.140	31,472.0
				2006	NOV	UNIT	14	8.036	35,428.4	7.140	31,472.0
				2006	DEC	UNIT	14	8.036	35,428.4	7.140	31,472.0
				2006	TOTAL	UNIT	165	14.350	60,734.4	12.750	56,200.0
				2006	JAN	UNIT	24	13.776	22,775.4	12.240	20,232.0
				2006	FEB	UNIT	9	5.166	22,775.4	4.590	20,232.0
				2006	MAR	UNIT	9	5.166	22,775.4	4.590	20,232.0
				2006	APR	UNIT	9	5.166	22,775.4	4.590	20,232.0
				2006	MAY	UNIT	9	5.166	22,775.4	4.590	20,232.0
				2006	JUN	UNIT	9	5.166	22,775.4	4.590	20,232.0
				2006	JUL	UNIT	9	5.166	22,775.4	4.590	20,232.0
				2006	AUG	UNIT	9	5.166	22,775.4	4.590	20,232.0
				2006	SEP	UNIT	9	5.166	22,775.4	4.590	20,232.0
				2006	OCT	UNIT	9	5.166	22,775.4	4.590	20,232.0
				2006	NOV	UNIT	9	5.166	22,775.4	4.590	20,232.0
				2006	DEC	UNIT	9	5.166	22,775.4	4.590	20,232.0
				2006	TOTAL	UNIT	84	39.032	172,080.8	34.680	152,864.0
				2006	JAN	UNIT	84	48.216	212,570.4	42.840	188,832.0
				2006	FEB	UNIT	84	48.216	212,570.4	42.840	188,832.0
				2006	MAR	UNIT	84	48.216	212,570.4	42.840	188,832.0
				2006	APR	UNIT	84	48.216	212,570.4	42.840	188,832.0
				2006	MAY	UNIT	84	48.216	212,570.4	42.840	188,832.0
				2006	JUN	UNIT	84	48.216	212,570.4	42.840	188,832.0
				2006	JUL	UNIT	84	48.216	212,570.4	42.840	188,832.0
				2006	AUG	UNIT	84	48.216	212,570.4	42.840	188,832.0
				2006	SEP	UNIT	84	48.216	212,570.4	42.840	188,832.0
				2006	OCT	UNIT	84	48.216	212,570.4	42.840	188,832.0
				2006	NOV	UNIT	84	48.216	212,570.4	42.840	188,832.0
				2006	DEC	UNIT	84	48.216	212,570.4	42.840	188,832.0
				2006	TOTAL	UNIT	127	2.535	11,706.5	1.155	10,400.0
				2006	JAN	UNIT	127	2.535	11,706.5	1.155	10,400.0
				2006	FEB	UNIT	127	2.535	11,706.5	1.155	10,400.0
				2006	MAR	UNIT	127	2.535	11,706.5	1.155	10,400.0
				2006	APR	UNIT	127	2.535	11,706.5	1.155	10,400.0
				2006	MAY	UNIT	127	2.535	11,706.5	1.155	10,400.0
				2006	JUN	UNIT	127	2.535	11,706.5	1.155	10,400.0
				2006	JUL	UNIT	127	2.535	11,706.5	1.155	10,400.0
				2006	AUG	UNIT	127	2.535	11,706.5	1.155	10,400.0
				2006	SEP	UNIT	127	2.535	11,706.5	1.155	10,400.0
				2006	OCT	UNIT	127	2.535	11,706.5	1.155	10,400.0
				2006	NOV	UNIT	127	2.535	11,706.5	1.155	10,400.0
				2006	DEC	UNIT	127	2.535	11,706.5	1.155	10,400.0
				2006	TOTAL	UNIT	225	8.775	40,522.5	7.875	36,000.0
				2006	JAN	UNIT	225	8.775	40,522.5	7.875	36,000.0
				2006	FEB	UNIT	225	8.775	40,522.5	7.875	36,000.0
				2006	MAR	UNIT	225	8.775	40,522.5	7.875	36,000.0
				2006	APR	UNIT	225	8.775	40,522.5	7.875	36,000.0
				2006	MAY	UNIT	225	8.775	40,522.5	7.875	36,000.0
				2006	JUN	UNIT	225	8.775	40,522.5	7.875	36,000.0
				2006	JUL	UNIT	225	8.775	40,522.5	7.875	36,000.0
				2006	AUG	UNIT	225	8.775	40,522.5	7.875	36,000.0
				2006	SEP	UNIT	225	8.775	40,522.5	7.875	36,000.0
				2006	OCT	UNIT	225	8.775	40,522.5	7.875	36,000.0
				2006	NOV	UNIT	225	8.775	40,522.5	7.875	36,000.0
				2006	DEC	UNIT	225	8.775	40,522.5	7.875	36,000.0
				2006	TOTAL	UNIT	40	2.500	11,706.5	2.445	10,400.0
				2006	JAN	UNIT	40	2.500	11,706.5	2.445	10,400.0
				2006	FEB	UNIT	40	2.500	11,706.5	2.445	10,400.0
				2006	MAR	UNIT	40	2.500	11,706.5	2.445	10,400.0
				2006	APR	UNIT	40	2.500	11,706.5	2.445	10,400.0
				2006	MAY	UNIT	40	2.500	11,706.5	2.445	10,400.0
				2006	JUN	UNIT	40	2.500	11,706.5	2.445	10,400.0
				2006	JUL	UNIT	40	2.500	11,706.5	2.445	10,400.0
				2006	AUG	UNIT	40	2.500	11,706.5	2.445	10,400.0
				2006	SEP	UNIT	40	2.500	11,706.5	2.445	10,400.0
				2006	OCT	UNIT	40	2.500	11,706.5	2.445	10,400.0
				2006	NOV	UNIT	40	2.500	11,706.5	2.445	10,400.0
				2006	DEC	UNIT	40	2.500	11,706.5	2.445	10,400.0
				2006	TOTAL	UNIT	76	41.200	22,412.4	37.164	19,912.0
				2006	JAN	UNIT	76	41.200	22,412.4	37.164	19,912.0
				2006	FEB	UNIT	76	41.200	22,412.4	37.164	19,912.0
				2006	MAR	UNIT	76	41.200	22,412.4	37.164	19,912.0

ELECTRIC W/H, LOAD CTL NEW

ELECTRIC WATER HEATER NEW

R SOLAR WATER HEATER NEW

PP3 SOLAR WATER HEATER NEW

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									DEMAND (KW)	ENERGY (KWH)	DEMAND (KW)	ENERGY (KWH)
					2006	APR	UNIT	27	14.850	7,962.3	13.203	7,074.0
					2006	MAY	UNIT	3	1.650	884.7	1.467	786.0
					2006	TOTAL	UNIT	263	144.650	77,558.7	128.607	68,906.0
				MKT		TOTAL	UNIT	313	172.150	92,303.7	153.057	82,006.0
				EQUIP		TOTAL	UNIT	313	172.150	92,303.7	153.057	82,006.0
				RATE		TOTAL	UNIT	622	229.141	345,396.6	203.772	306,838.0
				PGM		TOTAL	UNIT	763	310.075	702,211.2	275.682	623,806.0
	RWH	E	SOLAR WATER HEATER	EXIST	2006	MAR	UNIT	1	.575	2,532.9	.511	2,250.0
					2006	TOTAL	UNIT	1	.575	2,532.9	.511	2,250.0
				MKT		TOTAL	UNIT	1	.575	2,532.9	.511	2,250.0
				EQUIP		TOTAL	UNIT	1	.575	2,532.9	.511	2,250.0
			ELECTRIC WATER HEATER	EXIST	2005	DEC	UNIT	1	.039	180.1	.035	160.0
					2005	TOTAL	UNIT	1	.039	180.1	.035	160.0
					2006	APR	UNIT	1	.039	180.1	.035	160.0
					2006	TOTAL	UNIT	1	.039	180.1	.035	160.0
				MKT		TOTAL	UNIT	2	.078	360.2	.070	320.0
				EQUIP		TOTAL	UNIT	2	.078	360.2	.070	320.0
				RATE		TOTAL	UNIT	3	.653	2,893.1	.581	2,570.0
	E1		SOLAR WATER HEATER	EXIST	2006	FEB	UNIT	1	.575	2,532.9	.511	2,250.0
					2006	TOTAL	UNIT	1	.575	2,532.9	.511	2,250.0
				MKT		TOTAL	UNIT	1	.575	2,532.9	.511	2,250.0
				EQUIP		TOTAL	UNIT	1	.575	2,532.9	.511	2,250.0
			ELECTRIC WATER HEATER	EXIST	2006	MAR	UNIT	1	.039	180.1	.035	160.0
					2006	TOTAL	UNIT	1	.039	180.1	.035	160.0
				MKT		TOTAL	UNIT	1	.039	180.1	.035	160.0
				EQUIP		TOTAL	UNIT	1	.039	180.1	.035	160.0
				RATE		TOTAL	UNIT	2	.614	2,713.0	.546	2,410.0
	G		SOLAR WATER HEATER	EXIST	2006	JAN	UNIT	1	.575	2,532.9	.511	2,250.0
					2006	FEB	UNIT	1	.575	2,532.9	.511	2,250.0
					2006	TOTAL	UNIT	2	1.150	5,065.8	1.022	4,500.0
				MKT		TOTAL	UNIT	2	1.150	5,065.8	1.022	4,500.0
				EQUIP		TOTAL	UNIT	2	1.150	5,065.8	1.022	4,500.0
			ELECTRIC WATER HEATER	EXIST	2006	MAR	UNIT	1	.039	180.1	.035	160.0
					2006	APR	UNIT	1	.039	180.1	.035	160.0
					2006	TOTAL	UNIT	2	.078	360.2	.070	320.0
				MKT		TOTAL	UNIT	2	.078	360.2	.070	320.0
				EQUIP		TOTAL	UNIT	2	.078	360.2	.070	320.0
				RATE		TOTAL	UNIT	4	1.228	5,426.0	1.092	4,820.0
	PP3		ELECTRIC WATER HEATER	EXIST	2005	SEP	UNIT	17	.663	3,061.7	.595	2,720.0
					2005	OCT	UNIT	26	1.014	4,682.6	.910	4,160.0
					2005	NOV	UNIT	8	.312	1,440.8	.280	1,280.0
					2005	DEC	UNIT	9	.351	1,620.9	.315	1,440.0
					2005	TOTAL	UNIT	60	2.340	10,806.0	2.100	9,600.0
					2006	JAN	UNIT	14	.546	2,521.4	.490	2,240.0
					2006	FEB	UNIT	6	.234	1,080.6	.210	960.0
					2006	MAR	UNIT	10	.390	1,801.0	.350	1,600.0
					2006	APR	UNIT	3	.117	540.3	.105	480.0
					2006	TOTAL	UNIT	33	1.287	5,943.3	1.155	5,280.0
				MKT		TOTAL	UNIT	93	3.627	16,749.3	3.255	14,880.0
				EQUIP		TOTAL	UNIT	93	3.627	16,749.3	3.255	14,880.0
				RATE		TOTAL	UNIT	93	3.627	16,749.3	3.255	14,880.0
	PT1		ELECTRIC WATER HEATER	EXIST	2005	SEP	UNIT	13	.507	2,341.3	.455	2,080.0

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									DEMAND (KW)	ENERGY (KWH)	DEMAND (KW)	ENERGY (KWH)
					2005	OCT	UNIT	15	.585	2,701.5	.525	2,400.0
					2005	NOV	UNIT	42	1.638	7,564.2	1.470	6,720.0
					2005	DEC	UNIT	41	1.599	7,384.1	1.435	6,560.0
					2005	TOTAL	UNIT	111	4.329	19,991.1	3.885	17,760.0
					2006	JAN	UNIT	44	1.716	7,924.4	1.540	7,040.0
					2006	FEB	UNIT	37	1.443	6,663.7	1.295	5,920.0
					2006	MAR	UNIT	41	1.599	7,384.1	1.435	6,560.0
					2006	TOTAL	UNIT	122	4.758	21,972.2	4.270	19,520.0
					MKT	TOTAL	UNIT	233	9.087	41,963.3	8.155	37,280.0
					EQUIP	TOTAL	UNIT	233	9.087	41,963.3	8.155	37,280.0
					RATE	TOTAL	UNIT	233	9.087	41,963.3	8.155	37,280.0
					2005	FEB	UNIT	1	.575	2,532.9	.511	2,250.0
					2005	JUL	UNIT	2	1.150	5,065.8	1.022	4,500.0
					2005	AUG	UNIT	2	1.150	5,065.8	1.022	4,500.0
					2005	SEP	UNIT	12	6.900	30,394.8	6.132	27,000.0
					2005	OCT	UNIT	17	9.775	43,059.3	8.687	38,250.0
					2005	NOV	UNIT	36	20.700	91,184.4	18.396	81,000.0
					2005	DEC	UNIT	74	42.550	187,434.6	37.814	166,500.0
					2005	TOTAL	UNIT	144	82.800	364,737.6	73.584	324,000.0
					2006	JAN	UNIT	144	82.800	364,737.6	73.584	324,000.0
					2006	FEB	UNIT	121	69.575	306,480.9	61.831	272,250.0
					2006	MAR	UNIT	96	55.200	243,158.4	49.056	216,000.0
					2006	APR	UNIT	32	18.400	81,052.8	16.352	72,000.0
					2006	MAY	UNIT	1	.575	2,532.9	.511	2,250.0
					2006	TOTAL	UNIT	394	226.550	997,962.6	201.334	886,500.0
					MKT	TOTAL	UNIT	538	309.350	1,362,700.2	274.918	1,210,500.0
					EQUIP	TOTAL	UNIT	538	309.350	1,362,700.2	274.918	1,210,500.0
					2005	APR	UNIT	1	.039	180.1	.035	160.0
					2005	JUN	UNIT	1	.039	180.1	.035	160.0
					2005	JUL	UNIT	2	.078	360.2	.070	320.0
					2005	AUG	UNIT	7	.273	1,260.7	.245	1,120.0
					2005	SEP	UNIT	3	.117	540.3	.105	480.0
					2005	OCT	UNIT	4	.156	720.4	.140	640.0
					2005	NOV	UNIT	9	.351	1,620.9	.315	1,440.0
					2005	DEC	UNIT	51	1.989	9,185.1	1.785	8,160.0
					2005	TOTAL	UNIT	78	3.042	14,047.8	2.730	12,480.0
					2006	JAN	UNIT	43	1.677	7,744.3	1.505	6,880.0
					2006	FEB	UNIT	41	1.599	7,384.1	1.435	6,560.0
					2006	MAR	UNIT	52	2.028	9,365.2	1.820	8,320.0
					2006	APR	UNIT	33	1.287	5,943.3	1.155	5,280.0
					2006	MAY	UNIT	1	.039	180.1	.035	160.0
					2006	TOTAL	UNIT	170	6.630	30,617.0	5.950	27,200.0
					MKT	TOTAL	UNIT	248	9.672	44,664.8	8.680	39,680.0
					EQUIP	TOTAL	UNIT	248	9.672	44,664.8	8.680	39,680.0
					RATE	TOTAL	UNIT	786	319.022	1,407,365.0	283.598	1,250,180.0
					2005	MAY	UNIT	1	.575	2,532.9	.511	2,250.0
					2005	DEC	UNIT	2	1.150	5,065.8	1.022	4,500.0
					2005	TOTAL	UNIT	3	1.725	7,598.7	1.533	6,750.0
					2006	FEB	UNIT	2	1.150	5,065.8	1.022	4,500.0
					2006	MAR	UNIT	3	1.725	7,598.7	1.533	6,750.0
					2006	APR	UNIT	2	1.150	5,065.8	1.022	4,500.0
					2006	TOTAL	UNIT	7	4.025	17,730.0	3.577	15,750.0
					MKT	TOTAL	UNIT	10	5.750	25,329.0	5.110	22,500.0

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TAR	PGM	SCH	EQUIPMENT	MKT	YEAR	MONTH	UNIT	QUANTITY	SYSTEM LEVEL SAVINGS		CUSTOMER LEVEL SAVINGS	
									DEMAND (KW)	ENERGY (KWH)	DEMAND (KW)	ENERGY (KWH)
			ELECTRIC WATER HEATER	EXIST	EQUIP	TOTAL	UNIT	10	5.750	25,329.0	5.110	22,500.0
					2006	FEB	UNIT	2	.078	360.2	.070	320.0
					2006	TOTAL	UNIT	2	.078	360.2	.070	320.0
					MKT	TOTAL	UNIT	2	.078	360.2	.070	320.0
					EQUIP	TOTAL	UNIT	2	.078	360.2	.070	320.0
					RATE	TOTAL	UNIT	12	5.828	25,689.2	5.180	22,820.0
					PGM	TOTAL	UNIT	1,133	340.059	1,502,798.9	302.407	1,334,960.0

HAWAIIAN ELECTRIC COMPANY, INC.
SUMMARY OF DATA INPUTS USED IN LOST MARGIN
CALCULATIONS USED FOR DSM COST RECOVERY FILING IN 2006

DATA USED FOR LOST MARGIN & SHAREHOLDER INCENTIVE CALCULATIONS

All Installations	APPROVED IN 2006				
	REWH	RNC	CIEE	CINC	CICR
Loss Factor (%)	11.17%	11.17%	11.17%	11.17%	11.17%
Free Ridership (%) - kWh	27.10%	15.90%	34.70%	40.40%	24.10%
Free Ridership (%) - kW	26.90%	11.50%	33.60%	39.00%	24.50%
Unit Impact Tables Used in DSMIS Reports	2001-2003 Impact Evaluation Reports	2001-2003 Impact Evaluation Reports	2001-2003 Impact Evaluation Reports	2001-2003 Impact Evaluation Reports	2001-2003 Impact Evaluation Reports